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ABSTRACT

This document details a semiautomated PPB system developed in an ESEA Title III project, Intermediate Unit Planning Study, for use in Pennsylvania (see EA 002 750). Two semiautomated versions were developed, both dependent for calculation on the use of electronic data processing equipment. This is a documentation manual for the first of these versions, the batch-processed version. Testing of the batch-processed version for both school districts and intermediate units was completed in April 1969. A report on the development and testing of the second version, the on-line version, will be completed in May 1970. This manual, for use by the school districts, includes a sample school district printout, a suggested work schedule, and program documentation for the system analyst. The manual of the batch-processed version for the intermediate units is EA 002 752. Other related documents are EA 002 751 and EA 002 753. (DE)

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EDUCATION-PLANNING-PROGRAMMING-BUDGETING SYSTEM

DOCUMENTATION MANUAL FOR SCHOOL DISTRICTS

VERSION II, MODEL 1

May, 1969

An Intermediate Unit Planning Study
conducted by:

The Public Schools of Bucks, Cameron, Elk,
McKean, Montgomery, and Potter Counties of
the Commonwealth of Pennsylvania

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U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

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Institute of Local and State Government,
Management Science Center, and
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EA 002 754

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This manual is based on extensive testing with school districts in Bucks, Cameron, and McKean Counties, including the following: Central Bucks, Cameron County, Morrisville, Pennsbury, Port Allegany, and Smethport.

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   James B. Miller, Administrative Assistant and School Board Secretary

3. Morrisville School District -

   Paul Phillips, Superintendent

4. Pennsbury School District

   William W. Ingraham, Superintendent
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5. Port Allegany School District -

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6. Smethport Area School District -

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FOREWORD

Two distinct types of Education-Planning-Programming-Budgeting System (EPPBS) have been developed in the Intermediate Unit Planning Study for use by intermediate units and school districts in the Commonwealth of Pennsylvania. The first type is referred to as the manual version, i.e., the Education-Planning-Programming-Budgeting Procedure can be completely calculated manually with the use of a calculator. The second type, which is documented in this manual, is referred to as a semi-automated version, i.e., a version dependent for its calculation on the use of electronic data processing equipment.

The manual version passed through one revision following its introduction into the field last fall. The first manual version (EPPBS - Version I, Model 1) was tested with Bucks and McKean County Offices and Cameron County, Central Bucks, Morrisville, Pennsbury, Port Allegany, and Smethport Area School Districts from November 1968 through February 1969. The revision of this version is referred to as EPPBS - Version I, Model 2. No further development of the manual version is contemplated in the study.

There are two semi-automated versions - batch-processing and on-line. The batch-processed version is known as EPPBS - Version II, Model 1. The on-line version is known as EPPBS - Version III, Model 1. The school district's batch-processed version was tested from December 1968 through February 1969. The intermediate unit's batch-processed version was completed and tested by the end of April 1969. Design of the on-line-version will continue into December 1969. Initial testing of this version should be completed by March 1970. A technical report on the development and testing of the on-line version will be completed by the end of May 1970.

The manual version is an excellent training device and, of course, can be used by intermediate units and school districts in Pennsylvania that do not have access to or do not wish to use electronic data processing equipment. However, once a staff has received training in the use of the Education-Planning-Programming-Budgeting System we strongly recommend that the batch process-version be used for all calculations. This version will save upwards of two man weeks of computational effort.

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SECTION I

DOCUMENTATION FOR THE PROFESSIONAL EDUCATOR

Sample School District Print-out

The sample school district print-out illustrated and discussed in this section is based on actual data from one of the pilot school districts that participated in the field testing of the Education-Planning-Programming-Budgeting System during the 1968-1969 school year.

Page 1 - Enrollment Forecast

The current year (CY) to year five (Y5) enrollment for each of the six enrollment types is entered. It is assumed that the enrollment types are non-overlapping, i.e., no Vocational-Technical pupils are contained in the Grades 7-12 enrollment.

Total Enrollment is the sum over the six enrollment types (Kindergarten, Grades 1-6, Grades 7-12, Vocational-Technical, Special Education 1-6, and Special Education 7-12). Average Daily Membership is the result of multiplying the Attendance Percent times the sum of all six enrollment types, except Kindergarten, which is weighted at .5 if it is single session. Weighted Enrollment-Staff and Weighted Enrollment-Finance are the result of taking the weighted sum over the six enrollment types using the weights shown. If Kindergarten was double-session, the staff and finance weights for Kindergarten pupils would be 1.0 instead of .5 for single session. If the Vocational-Technical Program is conducted within the school district, the Vocational-Technical pupil weights would be the same as Grades 7-12. If the Vocational-Technical Program is conducted outside the school district, the pupil weights are as shown.

The Weighted Enrollment-Instructional Subsidy is the weighted sum of the six enrollment types using the weights shown. The Weighted Average Daily Membership is the result of multiplying the Attendance Percent times the Weighted Enrollment-Instructional Subsidy.

PRINT-OUT FROM VERSION II - MODEL I OF

THE EDUCATION PLANNING-PROGRAMMING-BUDGETING SYSTEM

COURTESY OF

GOVERNMENT STUDIES CENTER
FELS INSTITUTE OF LOCAL AND STATE GOVERNMENT
UNIVERSITY OF PENNSYLVANIA
AND
MANAGEMENT SCIENCE CENTER
WHARTON SCHOOL OF FINANCE AND COMMERCE
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PING PONG SCHOOL DISTRICT FEB. 7, 1969

ENROLLMENT FORECAST

	CY	Y1	Y2	Y3	Y4	Y5
KINDERGARTEN	1123.00	1279.00	1300.00	1305.00	1330.00	1347.00
GRADES 1-6	6036.00	6465.00	6646.00	6823.00	6999.00	7178.00
GRADES 7-12	5725.00	6033.00	6350.00	6693.00	7035.00	7374.00
VOCATIONAL-TECHNICAL	300.00	316.00	333.00	351.00	369.00	387.00
SPECIAL ED. 1-6	91.00	97.00	101.00	105.00	109.00	113.00
SPECIAL ED. 7-12	66.00	70.00	73.00	76.00	79.00	82.00
TOTAL ENROLLMENT	13341.00	14260.00	14803.00	15353.00	15921.00	16481.00
AVERAGE DAILY MEMBERSHIP	12651.70	13484.29	14011.47	14553.49	15103.44	15649.42
WGTD. ENROLLMENT-STAFF	13223.59	14088.59	14645.44	15219.44	15801.34	16378.94
WGTD. ENROLLMENT-FINANCE	14114.75	15027.75	15633.87	16261.12	16896.12	17526.37
WT. ENRLMT.-INST. SBSDY.	14972.25	15931.33	16585.15	17263.70	17949.87	18630.97
WT. AVRGE. DAILY MBRSHP.	14822.52	15772.02	16419.30	17091.05	17770.37	18444.66

SUBSIDIARY DATA

ATTENDANCE PERCENT 89.00

	STAFF WEIGHT	FINANCE WEIGHT	SUBSIDY WEIGHT
KINDERGARTEN	0.500	0.500	0.500
GRADES 1-6	1.000	1.000	1.000
GRADES 7-12	1.100	1.250	1.360
VOCATIONAL-TECHNICAL	0.550	0.625	1.360
SPECIAL ED. 1-6	1.000	1.000	1.000
SPECIAL ED. 7-12	1.100	1.250	1.360

Page 2 - Base Case Non-Salary Costs Held Constant

The non-salary costs to be held constant in the Base Case Projection are entered.

Page 3 - Base Case Program Costs

The current year (CY) salary, CY non-salary, and CY-Y5 capital outlay costs by program are entered. CY-Y5 debt service is also entered. The year one (Y1) to year five (Y5) salary and non-salary costs are obtained through inflation on the CY costs, except where part of the non-salary cost is to be held constant. Separate inflation rates are used for salary and non-salary costs.

Inflating the total salary cost assumes that manpower is held constant over time and the salary per man is inflated. Inflating the total non-salary cost assumes that enrollment is held constant over time and the non-salary cost per pupil is inflated.

Page 4 - Base Case Manpower

CY manpower is entered. For the Base Case, manpower is held constant over time. Hiring takes place only because of turnover. The turnover rate for teachers is shown on page 5 as Professional Staff Turnover, in percent.

NON-SALARY COSTS HELD CONSTANT

PUPIL TRANSPORTATION	6500.00
FACILITIES	34000.00
FIXED CHARGES	54247.00

PROGRAM COSTS

		CY	Y1	Y2	Y3	Y4	Y5
POLICY AND EXECUTIVE	S	33170.00	35491.89	37976.28	40634.59	43478.97	46522.48
	NS	0.0	0.0	0.0	0.0	0.0	0.0
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	33170.00	35491.89	37976.28	40634.59	43478.97	46522.48
COMPREHENSIVE PLANNING	S	43360.00	46395.18	49642.79	53117.75	56835.94	60814.43
	NS	0.0	0.0	0.0	0.0	0.0	0.0
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	43360.00	46395.18	49642.79	53117.75	56835.94	60814.43
INFORMATION AND LIAISON	S	26140.00	27969.79	29927.64	32022.55	34264.10	36662.57
	NS	0.0	0.0	0.0	0.0	0.0	0.0
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	26140.00	27969.79	29927.64	32022.55	34264.10	36662.57
COMMUNITY SERVICES	S	55583.00	59473.79	63636.89	68091.37	72857.75	77957.75
	NS	11920.00	12277.59	12645.91	13025.28	13416.02	13818.50
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	67503.00	71751.37	76282.75	81116.62	86273.75	91776.25
COORDINATE SUPPORT SERVICES	S	68080.00	72845.56	77944.62	83400.75	89238.69	95485.37
	NS	92049.00	94810.44	97654.62	100584.19	103601.62	106709.62
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	160129.00	167656.00	175599.25	183984.94	192840.31	202195.00
EARLY CHILDHOOD INSTRUCTION	S	235946.00	252462.12	270134.19	289043.37	309276.06	330925.31
	NS	20633.00	21251.98	21889.52	22546.19	23222.55	23919.22
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	256579.00	273714.06	292023.69	311589.56	332498.56	354844.50
ELEMENTARY INSTRUCTION	S	2094176.00	2240767.00	2397618.00	2565450.00	2745029.00	2937180.00
	NS	136125.00	140208.69	144414.81	148747.12	153209.37	157805.62
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	2230301.00	2380975.00	2542032.00	2714197.00	2898238.00	3094985.00
SECONDARY INSTRUCTION	S	2642023.00	2825963.00	3024847.00	3236585.00	3463142.00	3705561.00
	NS	182729.00	188210.81	193856.94	199672.50	205662.44	211832.25
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	2824752.00	3015173.00	3218703.00	3436257.00	3668804.00	3917393.00
VOC.-TECH. INSTRUCTION	S	0.0	0.0	0.0	0.0	0.0	0.0
	NS	112526.00	116004.69	119484.75	123069.19	126761.12	130563.94
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	112626.00	116004.69	119484.75	123069.19	126761.12	130563.94
SPECIAL INSTRUCTION	S	134060.00	143444.12	153485.06	164228.87	175724.75	188025.37
	NS	7175.00	7390.25	7611.95	7840.30	8075.50	8317.76
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	141235.00	150834.31	161097.00	172069.12	183800.25	196343.12
CONTINUING INSTRUCTION	S	0.0	0.0	0.0	0.0	0.0	0.0
	NS	1850.00	1905.50	1962.66	2021.54	2082.19	2144.65
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	1850.00	1905.50	1962.66	2021.54	2082.19	2144.65
INSTRUCTIONAL SUPPORT SERV.	S	1593407.00	1704945.00	1824289.00	1951988.00	2088625.00	2234828.00
	NS	238765.00	245927.87	253305.44	260904.37	268731.25	276793.12

	CO	85390.00	85390.00	85390.00	85390.00	85390.00	85390.00
	T	1917562.00	2036262.00	2162984.00	2298282.00	2442746.00	2597011.00
NURSING	S	161655.00	172970.75	185078.50	198033.87	211896.06	226728.69
	NS	0.0	0.0	0.0	0.0	0.0	0.0
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	161655.00	172970.75	185078.50	198033.87	211896.06	226728.69
MEDICAL	S	9670.00	10346.89	11071.16	11846.14	12675.36	13562.62
	NS	7184.00	7399.52	7621.50	7850.13	8085.63	8328.20
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	16854.00	17746.41	18692.66	19696.27	20760.98	21890.82
DENTAL	S	3250.00	3477.50	3720.92	3981.38	4260.07	4558.28
	NS	348.00	358.44	369.19	380.27	391.68	403.43
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	3598.00	3835.94	4090.11	4361.65	4651.75	4961.70
PSYCHOLOGICAL	S	2000.00	2140.00	2289.80	2450.08	2621.58	2805.09
	NS	0.0	0.0	0.0	0.0	0.0	0.0
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	2000.00	2140.00	2289.80	2450.08	2621.58	2805.09
HEALTH SUPPORT SERVICES	S	3034.00	3246.38	3473.62	3716.77	3976.94	4255.32
	NS	8362.00	8612.86	8871.23	9137.36	9411.47	9693.82
	CO	1267.00	1267.00	1267.00	1267.00	1267.00	1267.00
	T	12663.00	13126.23	13611.86	14121.13	14655.41	15216.14
GENERAL SERVICES	S	92459.00	98931.06	105856.12	113266.00	121194.50	129678.06
	NS	20110.00	20713.29	21334.67	21974.70	22633.91	23312.92
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	112569.00	119644.31	127190.75	135240.69	143828.37	152990.94
PUPIL TRANSPORTATION	S	327513.00	350438.75	374969.06	401216.62	429301.37	459352.31
	NS	127878.00	131516.25	135263.62	139123.44	143099.00	147193.94
	CO	750.00	750.00	750.00	750.00	750.00	750.00
	T	456141.00	482705.00	510982.69	541090.06	573150.37	607296.25
FOOD SERVICES	S	0.0	0.0	0.0	0.0	0.0	0.0
	NS	37400.00	38521.99	39677.61	40867.91	42093.90	43356.71
	CO	8077.00	8077.00	8077.00	8077.00	8077.00	8077.00
	T	45477.00	46598.99	47754.61	48944.91	50170.90	51433.71
FACILITIES	S	711992.00	761831.19	815159.50	872218.94	933273.37	998602.12
	NS	497874.00	511790.06	526123.31	540886.56	556092.69	571755.31
	CO	32834.00	32834.00	32834.00	32834.00	32834.00	32834.00
	T	1242700.00	1306455.00	1374115.00	1445939.00	1522200.00	1603191.00
FIXED CHARGES	S	632710.00	676999.50	724388.62	775095.31	829351.12	887405.44
	NS	54247.00	54247.00	54247.00	54247.00	54247.00	54247.00
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	686957.00	731246.50	778635.62	829342.31	883598.12	941652.44
BUSINESS SUPPORT SERVICES	S	51310.00	54901.68	58744.73	62856.82	67256.69	71964.62
	NS	39375.00	40556.24	41772.89	43026.04	44316.77	45646.27
	CO	10847.00	10847.00	10847.00	10847.00	10847.00	10847.00
	T	101532.00	106304.87	111364.56	116729.81	122420.44	128457.87
TOTAL ABOVE	S	8921538.00	9546035.00	10214247.00	10929238.00	11694274.00	12512870.00
	NS	1596650.00	1641702.00	1688106.00	1735902.00	1785131.00	1835840.00
	CO	139165.00	139165.00	139165.00	139165.00	139165.00	139165.00
	T	10657353.00	11326899.00	12041514.00	12804305.00	13618571.00	14487873.00

DEBT SERVICE	1639464.00	1639464.00	1639464.00	1639464.00	1639464.00	1639464.00
TOTAL COST	12296617.00	12966363.00	13580976.00	14443769.00	15256035.00	16127337.00

MANPOWER (FULL-TIME EQUIVALENTS)

		CY	Y1	Y2	Y3	Y4	Y5
PROFESSIONAL ADMINISTRATION	P	9.00	9.00	9.00	9.00	9.00	9.00
TURNOVER RATE 2.0	H	0.18	0.18	0.18	0.18	0.18	
PRINCIPALS	P	25.00	25.00	25.00	25.00	25.00	25.00
TURNOVER RATE 5.0	H	1.25	1.25	1.25	1.25	1.25	
TEACHERS - EARLY CHILDHOOD	P	24.00	24.00	24.00	24.00	24.00	24.00
SEE INDICATOR 7	H	3.36	3.36	3.36	3.36	3.36	
TEACHERS - ELEMENTARY	P	239.00	239.00	239.00	239.00	239.00	239.00
SEE INDICATOR 7	H	33.46	33.46	33.46	33.46	33.46	
TEACHERS - SECONDARY	P	307.00	307.00	307.00	307.00	307.00	307.00
SEE INDICATOR 7	H	42.98	42.98	42.98	42.98	42.98	
TEACHERS - VOC.-TECH.	P	0.0	0.0	0.0	0.0	0.0	0.0
SEE INDICATOR 7	H	0.0	0.0	0.0	0.0	0.0	
TEACHERS - SPECIAL	P	13.00	13.00	13.00	13.00	13.00	13.00
SEE INDICATOR 7	H	1.82	1.82	1.82	1.82	1.82	
TEACHERS - CONTINUING	P	0.0	0.0	0.0	0.0	0.0	0.0
SEE INDICATOR 7	H	0.0	0.0	0.0	0.0	0.0	
INSTRUCTIONAL SPECIALISTS	P	104.00	104.00	104.00	104.00	104.00	104.00
TURNOVER RATE 2.0	H	2.08	2.08	2.08	2.08	2.08	
NURSES	P	18.00	18.00	18.00	18.00	18.00	18.00
TURNOVER RATE 2.0	H	0.36	0.36	0.36	0.36	0.36	
PSYCHOLOGISTS	P	0.0	0.0	0.0	0.0	0.0	0.0
TURNOVER RATE 2.0	H	0.0	0.0	0.0	0.0	0.0	
CLERICAL PERSONNEL	P	75.00	75.00	75.00	75.00	75.00	75.00
TURNOVER RATE 20.0	H	15.00	15.00	15.00	15.00	15.00	
OPERATIONS PERSONNEL	P	134.00	134.00	134.00	134.00	134.00	134.00
TURNOVER RATE 2.0	H	2.68	2.68	2.68	2.68	2.68	
MAINTENANCE PERSONNEL	P	21.00	21.00	21.00	21.00	21.00	21.00
TURNOVER RATE 2.0	H	0.42	0.42	0.42	0.42	0.42	
BUS DRIVERS	P	58.00	58.00	58.00	58.00	58.00	58.00
TURNOVER RATE 15.0	H	8.70	8.70	8.70	8.70	8.70	
FOOD SERVICE PERSONNEL	P	0.0	0.0	0.0	0.0	0.0	0.0
TURNOVER RATE 2.0	H	0.0	0.0	0.0	0.0	0.0	
ADMINISTRATIVE STAFF	P	7.00	7.00	7.00	7.00	7.00	7.00
TURNOVER RATE 2.0	H	0.14	0.14	0.14	0.14	0.14	
TOTAL POSITIONS		1034.00	1034.00	1034.00	1034.00	1034.00	1034.00
TOTAL HIRES		112.43	112.43	112.43	112.43	112.43	

Page 5 - Base Case Indicators

Five indicators are calculated and seven are entered. All entered indicator values are actually Final Base Case values. Excess enrollment is the difference between the Average Daily Membership and the standard of twenty-five pupils per classroom.

Weighted Enrollment-Staff is used to calculate Teachers per 1000 Weighted Pupils and Instructional Specialists, Nurses, and Psychologists per 1000 Weighted Pupils.

Weighted Enrollment-Finance is used to calculate Expenditures for Materials, Supplies, and Library Books per Weighted Pupil and Net Expenditures per Weighted Pupil. If the Vocational-Technical Program is conducted outside the school district, the non-salary cost for the Vocational-Technical Program is regarded as a tuition payment and is deducted from the total cost before calculating Net Expenditures per Weighted Pupil.

For Secondary Course Offerings, Professional Staff Turnover, Professional Staff with MA Degrees or More, Percent of Graduating Class Attending Post High School Education, Dropouts as a Percentage of Enrollment, Language Achievement, and Mathematics Achievement, the CY-Y5 indicator levels are entered.

Expenditures for curriculum materials, supplies, and library books are considered part of the non-salary cost for the Instructional Support Service Program. The CY expenditure for curriculum materials, etc. is entered, and Y1-Y5 expenditures are calculated in the Base Case by inflating the CY expenditure.

Page 6 - Base Case Indicator Gaps

CY-Y5 desired indicator levels are entered for each of the twelve indicators. The indicator levels on page 5 are subtracted from the desired indicator levels to obtain the indicator gaps.

INDICATORS

	CY	Y1	Y2	Y3	Y4	Y5
EXCESS ENROLLMENT	1601.70	2434.29	2961.47	3503.49	4053.44	4599.42
TEACHERS/1000 WGT. PUPILS	44.09	41.38	39.81	38.31	36.90	35.59
SECONDARY COURSE OFFERINGS	167.00	167.00	167.00	167.00	167.00	167.00
INST.SPEC.,NURS.,PSYCH./1000 WGT. PUPILS	9.23	8.66	8.33	8.02	7.72	7.45
MATLS.,SUPPS.,LIB.BKS./WGT. PUPIL	8.39	8.11	8.03	7.96	7.89	7.83
NET EXPEND./WGT. PUPIL	863.22	855.11	867.44	880.67	895.55	912.73
PROF. STAFF TURNOVER (PCT.)	14.00	14.00	14.00	14.00	14.00	14.00
PROF. STAFF MA OR MORE (PCT.)	19.00	19.00	19.00	19.00	19.00	19.00
PCT. GRAD. CLASS ATTEND PHSE	67.10	67.10	67.10	67.10	67.10	67.10
DROPOUTS PCT. ENROLLMENT	1.20	1.20	1.20	1.20	1.20	1.20
LANGUAGE ACHIEVEMENT	1.76	1.76	1.76	1.76	1.76	1.76
MATHEMATICS ACHIEVEMENT	1.35	1.35	1.35	1.35	1.35	1.35

SUBSIDIARY DATA

CLASSROOMS	442.00	442.00	442.00	442.00	442.00	442.00
MATLS.,SUPPS.,LIB.BKS.	118381.00	121932.37	125590.25	129357.81	133238.44	137235.56

INDICATOR GAPS

		CY	Y1	Y2	Y3	Y4	Y5
EXCESS ENROLLMENT	D	700.00	700.00	700.00	700.00	700.00	700.00
	A	1601.70	2434.29	2961.47	3503.49	4053.44	4599.42
	G	-901.70	-1734.29	-2261.47	-2803.49	-3353.44	-3899.42
TEACHERS/1000 WGT. PUPILS	D	50.00	50.00	50.00	50.00	50.00	50.00
	A	44.09	41.38	39.81	38.31	36.90	35.59
	G	5.91	8.62	10.19	11.69	13.10	14.41
SECONDARY COURSE OFFERINGS	D	180.00	180.00	180.00	180.00	180.00	180.00
	A	167.00	167.00	167.00	167.00	167.00	167.00
	G	13.00	13.00	13.00	13.00	13.00	13.00
INST.SPEC.,NURS.,PSYCH./1000 WGT. PUPILS	D	10.00	10.00	10.00	10.00	10.00	10.00
	A	9.23	8.66	8.33	8.02	7.72	7.45
	G	0.77	1.34	1.67	1.98	2.28	2.55
MATLS.,SUPPS.,LIB.BKS./WGT. PUPIL	D	12.00	12.00	12.00	12.00	12.00	12.00
	A	8.39	8.11	8.03	7.96	7.89	7.83
	G	3.61	3.89	3.97	4.04	4.11	4.17
NET EXPEND./WGT. PUPIL	D	900.00	900.00	900.00	900.00	900.00	900.00
	A	863.22	855.11	867.44	880.67	895.55	912.73
	G	36.78	44.89	32.56	19.33	4.45	-12.73
PROF. STAFF TURNOVER (PCT.)	D	10.00	10.00	10.00	10.00	10.00	10.00
	A	14.00	14.00	14.00	14.00	14.00	14.00
	G	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00
PROF. STAFF MA OR MORE (PCT.)	D	30.00	30.00	30.00	30.00	30.00	30.00
	A	19.00	19.00	19.00	19.00	19.00	19.00
	G	11.00	11.00	11.00	11.00	11.00	11.00
PCT. GRAD. CLASS ATTEND PHSE	D	70.00	70.00	70.00	70.00	70.00	70.00
	A	67.10	67.10	67.10	67.10	67.10	67.10
	G	2.90	2.90	2.90	2.90	2.90	2.90
DROPOUTS PCT. ENROLLMENT	D	1.00	1.00	1.00	1.00	1.00	1.00
	A	1.20	1.20	1.20	1.20	1.20	1.20
	G	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
LANGUAGE ACHIEVEMENT	D	2.00	2.00	2.00	2.00	2.00	2.00
	A	1.76	1.76	1.76	1.76	1.76	1.76
	G	0.24	0.24	0.24	0.24	0.24	0.24
MATHEMATICS ACHIEVEMENT	D	1.75	1.75	1.75	1.75	1.75	1.75
	A	1.35	1.35	1.35	1.35	1.35	1.35
	G	0.40	0.40	0.40	0.40	0.40	0.40

Page 7 - Adjusted Base Case Subsidiary Data

The pupil-teacher ratios for each instructional program are calculated as follows:

1. Early Childhood Instruction: Weighted CY Kindergarten enrollment is divided by CY Early Childhood Teachers.

2. Elementary Instruction: CY Grades 1-6 enrollment is divided by CY Elementary Teachers.

3. Secondary Instruction: CY Grades 7-12 enrollment plus weighted CY Vocational-Technical enrollment is divided by CY Secondary Teachers. The weight is .5 under the assumption that the Vocational-Technical pupils spend 1/2 time in Secondary Instruction.

4. Vocational-Technical Instruction: The Vocational-Technical Program is conducted outside the school district. The pupil-teacher ratio does not apply.

5. Special Instruction: Weighted CY Special Education enrollment Grades 1-6 plus weighted CY Special Education enrollment Grades 7-12 is divided by CY Special Education Teachers. The weights are 1.0 and 1.1 respectively.

For Y1-Y5, the number of teaching positions for teachers corresponding to these programs is calculated to maintain the CY pupil-teacher ratios under rising and falling enrollment.

The CY Mean Salary per Teacher in the school district at CY is calculated as the ratio of the corresponding program CY salary cost and CY teaching positions. The Y1-Y5 mean salaries are calculated by inflating the CY mean salary.

Three options for calculating teachers salaries are provided in EPPBS, Version II, Model 1 and can be used for each program. Option #3 is shown on page 7. Examples for each option are shown. Even though the example for Option #3 shows more money than the other two options, this situation will vary; because, depending on what numbers are used, Option ~~#3 may~~ yield smaller salary amounts than Option #1. However, Option #3 will always yield larger amounts than Option #2. Each example utilizes the following data: (1) CY teaching staff for a given program is 100; (2) turnover rate is 10 percent; (3) 30 new teachers must be hired for Y1 (10 replacements and 20 new positions); (4) mean salary for CY is $10,000; (5) mean leaving salary is $8,000 (end of CY); (6) mean starting salary is $7,000 (beginning of CY); (7) compound inflation rate for CY mean salary is five percent; and (8) compound inflation rate for CY starting salary is three percent.

Option #1 - Teachers who enter and teachers who leave the payroll of the school district will be assumed to have the same salary as the mean salary of teachers currently employed, i.e., $10,000 x 1.05.

Salary for Y1 = 120 x ($10,000 x 1.05) = $1,260,000

The next two options permit a more detailed handling of salaries.

Option #2 - A CY salary per entering teacher is entered ($7,000). An inflation rate, different from the rate used for salaries so far, is used to obtain the Y1-Y5 salary per entering teacher, i.e., $7,000 x 1.03 for Y1, $7,210 x 1.03 for Y2, etc. Once the teacher has joined the school district, his salary is inflated at the rate used for the mean salary per teacher in the school district at CY (five percent). A teacher hired for Y1 will begin at a salary of $7,210. His salary will be inflated for each year thereafter at a compound inflation rate of five percent. The starting salary of a teacher hired for Y2 will be $7,210 x 1.03 or $7426.30. His salary for each subsequent year will be inflated at a compound inflation rate of five percent. The turnover rate (ten percent) is assumed to apply to both teachers employed in the CY and teachers who enter during Y1-Y5. Teachers who leave during Y1-Y5 will have been paid either the mean salary appropriate to CY teachers ($10,000 x 1.05) or the salary appropriate to the year entered ($7,000 x 1.03).

Salary for Y1 = 90 x ($10,000 x 1.05) + 30 x ($7,000 x 1.03) = $1,161,300

Option #3 - In addition to the assumptions included under Option #2 several additional assumptions are included under this option. A mean salary per departing teacher for those employed in the CY ($8,000) may be entered besides the mean CY salary per entering teacher ($7,000). Those CY teachers who leave during Y1-Y5 will be paid the mean salary per departing teacher for the previous year.

Salary for Y1 = 90 x ($10,000 x 1.05) +
10 x ($10,000 x 1.05 - $8,000 x 1.05) +
30 x ($7,000 x 1.03) =
100 x ($10,000 x 1.05) -
10 x ($8,000 x 1.05) +
30 x ($7,000 x 1.03) = $1,350,000

If the Vocational-Technical Program is conducted inside the school district, then the above discussion of salaries per teacher would apply also to Vocational-Technical teachers.

The CY non-salary costs per pupil are calculated using the same pupil populations as discussed for the pupil-teacher ratios

above. The weights for Special Education enrollment Grades 1-6 and Special Education enrollment Grades 7-12 are 1.0 and 1.25 respectively. The CY non-salary costs per pupil are inflated through Y5. If the Vocational-Technical Program is conducted outside the school district, the non-salary cost per pupil is regarded as tuition and may be inflated at a rate different from the other non-salary costs. The total non-salary cost for each program is obtained by multiplying the corresponding non-salary cost per pupil by the number of pupils.

For the Instructional Support Services Program, the CY non-salary cost per pupil is the ratio of its CY total non-salary cost and CY Weighted Enrollment-Finance. The non-salary cost per pupil is inflated through Y5. The Instructional Support Services Y1-Y5 total non-salary cost is obtained by multiplying the non-salary cost per pupil by each year by the Weighted Enrollment-Finance for each year.

For both the Medical and Dental Programs, the CY salary cost per pupil is the ratios of the CY total salary cost and the CY Weighted Enrollment-Staff. The salary cost per pupil is inflated through Y5. The Y1-Y5 total salary costs are obtained by multiplying the salary cost per pupil for each year by the Weighted Enrollment-Staff for each year. The salary cost for the Medical and Dental Programs is projected on a per pupil basis because it is assumed that the expenses involved are contractual expenses as compared to having physicians on the school district payroll.

The non-salary cost for the Medical and Dental Programs is projected in the same manner as the Instructional Support Services non-salary cost.

The Adjusted Base Case projection of the Pupil Transportation Program can be done in two ways. In the way that is depicted on page 7, riders are projected assuming a constant percentage of total enrollment (less 1/2 Kindergarten, if it is single-session). CY number of buses, seats per bus, and number of trips per day per bus are used to calculate the busing capacity. A bus is added only when the number of excess riders exceeds the mean capacity per bus. For each bus that is added, a bus driver is hired. The CY salary per bus driver is calculated by dividing CY bus drivers into CY Pupil Transportation salary cost. The salary per bus driver is inflated through Y5. The Y1-Y5 Pupil Transportation salary cost is obtained by multiplying the salary per bus driver for each year by the number of bus drivers for each year. The CY non-salary cost per bus is the CY total Pupil Transportation non-salary cost divided by CY buses. The non-salary cost per bus is inflated through Y5. The Y1-Y5 total Pupil Transportation non-salary cost is obtained by multiplying the non-salary cost per bus for each year by the number of buses for each year. Y1-Y5

capital outlay per bus is entered. If a bus is added in any year, a capital outlay is incurred in that year.

If the Pupil Transportation costs are a contractual expense, then the projection occurs as follows. The Y1-Y5 riders are projected as discussed above. The CY non-salary cost per rider is calculated as the ratio of CY Pupil Transportation total non-salary cost and CY riders. The non-salary cost per rider is inflated through Y5. The Y1-Y5 Pupil Transportation total non-salary cost is obtained by multiplying the non-salary cost per rider for each year by the number of riders for each year.

Food Services non-salary cost is projected in the same manner as Instructional Support Services non-salary cost.

For the Fixed Charges Program, the ratio of fixed charges CY salary cost to CY total other salary (not including Medical and Dental Program salaries because they are contractual expenses) is calculated. The fixed charges salary cost for each year in Y1-Y5 is calculated assuming this ratio to total other salary for each year.

SUBSIDIARY DATA ON PROGRAM-EARLY CHILDHOOD INSTRUCTION

PUPIL-TEACHER RATIO 23.40

	CY	Y1	Y2	Y3	Y4	Y5
MEAN SALARY/TCHER IN SYSTEM AT CY	9831.08	10519.25	11255.59	12043.47	12886.50	13788.55
DEPARTING SAL/TCHER FOR CY TCHERS		8646.66	9251.92	9899.55	10592.51	11333.98
SALARY/TEACHER ENTERING IN Y1		7349.99	7864.49	8414.99	9004.04	9634.31
SALARY/TEACHER ENTERING IN Y2			7717.48	8257.70	8835.73	9454.23
SALARY/TEACHER ENTERING IN Y3				8103.35	8670.58	9277.51
SALARY/TEACHER ENTERING IN Y4					8508.50	9104.09
SALARY/TEACHER ENTERING IN Y5						8933.92
NON-SALARY COST/PUPIL	36.746	37.849	38.984	40.153	41.358	42.599

SUBSIDIARY DATA ON PROGRAM-ELEMENTARY INSTRUCTION

PUPIL-TEACHER RATIO 25.26

	CY	Y1	Y2	Y3	Y4	Y5
MEAN SALARY/TCHER IN SYSTEM AT CY	8762.24	9375.59	10031.87	10734.10	11485.48	12289.45
DEPARTING SAL/TCHER FOR CY TCHERS		7704.00	8243.27	8820.29	9437.70	10098.34
SALARY/TEACHER ENTERING IN Y1		7349.99	7864.49	8414.99	9004.04	9634.31
SALARY/TEACHER ENTERING IN Y2			7717.48	8257.70	8835.73	9454.23
SALARY/TEACHER ENTERING IN Y3				8103.35	8670.58	9277.51
SALARY/TEACHER ENTERING IN Y4					8508.50	9104.09
SALARY/TEACHER ENTERING IN Y5						8933.92
NON-SALARY COST/PUPIL	22.552	23.229	23.926	24.643	25.383	26.144

SUBSIDIARY DATA ON PROGRAM-SECONDARY INSTRUCTION

PUPIL-TEACHER RATIO 19.14

	CY	Y1	Y2	Y3	Y4	Y5
MEAN SALARY/TCHER IN SYSTEM AT CY	8605.94	9208.35	9852.92	10542.62	11280.59	12070.23
DEPARTING SAL/TCHER FOR CY TCHERS		7569.18	8099.01	8665.93	9272.54	9921.61
SALARY/TEACHER ENTERING IN Y1		7349.99	7864.49	8414.99	9004.04	9634.31
SALARY/TEACHER ENTERING IN Y2			7717.48	8257.70	8835.73	9454.23
SALARY/TEACHER ENTERING IN Y3				8103.35	8670.58	9277.51
SALARY/TEACHER ENTERING IN Y4					8508.50	9104.09
SALARY/TEACHER ENTERING IN Y5						8933.92
NON-SALARY COST/PUPIL	31.103	32.036	32.997	33.987	35.006	36.057

SUBSIDIARY DATA ON PROGRAM-VOC.-TECH. INSTRUCTION

PUPIL-TEACHER RATIO 0.0

	CY	Y1	Y2	Y3	Y4	Y5
MEAN SALARY/TCHER IN SYSTEM AT CY	0.0	0.0	0.0	0.0	0.0	0.0
DEPARTING SAL/TCHER FOR CY TCHERS		0.0	0.0	0.0	0.0	0.0
NON-SALARY COST/PUPIL	375.420	386.682	398.282	410.230	422.537	435.213

SUBSIDIARY DATA ON PROGRAM-SPECIAL INSTRUCTION

PUPIL-TEACHER RATIO 12.58

	CY	Y1	Y2	Y3	Y4	Y5
MEAN SALARY/TCHER IN SYSTEM AT CY	10312.30	11034.16	11806.54	12632.99	13517.29	14463.49
DEPARTING SAL/TCHER FOR CY TCHERS		9069.32	9704.16	10383.44	11110.27	11887.98
SALARY/TEACHER ENTERING IN Y1		7349.99	7864.49	8414.99	9004.04	9634.31
SALARY/TEACHER ENTERING IN Y2			7717.48	8257.70	8835.73	9454.23
SALARY/TEACHER ENTERING IN Y3				8103.35	8670.58	9277.51
SALARY/TEACHER ENTERING IN Y4					8508.50	9104.09
SALARY/TEACHER ENTERING IN Y5						8933.92
NON-SALARY COST/PUPIL	41.354	42.595	43.873	45.189	46.545	47.941

SUBSIDIARY DATA ON PROGRAM-INSTRUCTIONAL SUPPORT SER.

	CY	Y1	Y2	Y3	Y4	Y5
NON-SALARY COST/PUPIL	16.916	17.423	17.946	18.485	19.039	19.610

SUBSIDIARY DATA ON PROGRAM-MEDICAL

	CY	Y1	Y2	Y3	Y4	Y5

SALARY COST/PUPIL	0.731	0.782	0.837	0.896	0.959	1.026
NON-SALARY COST/PUPIL	0.509	0.524	0.540	0.556	0.573	0.590

SUBSIDIARY DATA ON PROGRAM-DENTAL

	CY	Y1	Y2	Y3	Y4	Y5
SALARY COST/PUPIL	0.246	0.263	0.281	0.301	0.322	0.345
NON-SALARY COST/PUPIL	0.025	0.025	0.026	0.027	0.028	0.029

SUBSIDIARY DATA ON PROGRAM-PUPIL TRANSPORTATION

	CY	Y1	Y2	Y3	Y4	Y5
RIDERS	9368.01	10623.99	11039.34	11466.39	11899.68	12329.85
CAPACITY BEFORE ADDING BUSES		11088.00	11088.00	11088.00	11286.00	11880.00
CAPACITY AFTER ADDING BUSES	11088.00	11088.00	11088.00	11286.00	11880.00	12276.00
BUSES	56.00	56.00	56.00	57.00	60.00	62.00
SALARY/BUS DRIVER	5646.77	6042.04	6464.98	6917.52	7401.74	7919.86
NON-SALARY COST/BUS	2283.54	2352.04	2422.60	2495.28	2570.13	2647.23
CAPITAL OUTLAY/BUS		8000.00	8000.00	8000.00	8000.00	8000.00

SUBSIDIARY DATA ON PROGRAM-FOOD SERVICES

	CY	Y1	Y2	Y3	Y4	Y5
NON-SALARY COST/PUPIL	2.650	2.729	2.811	2.895	2.982	3.072

SUBSIDIARY DATA ON PROGRAM-FIXED CHARGES

CY FIXED CHARGES SALARY/TOTAL SALARY - FIXED CHARGES, MEDICAL, AND DENTAL SALARIES 0.0765

Page 8 - Adjusted Base Case Program Costs

The programs whose costs may differ from the Base Case are: Early Childhood Instruction, Elementary Instruction, Secondary Instruction, Vocational-Technical Instruction, Special Instruction, Instructional Support Services, Medical, Dental, Pupil Transportation, Food Services, and Fixed Charges. The discussion for page 7 outlined the bases for projecting the costs for these programs.

Page 9 - Adjusted Base Case Manpower

The manpower that may change for the Base Case are Teachers-Early Childhood, Elementary, Secondary, Vocational-Technical, Special, and Bus Drivers. The calculation of personnel to be hired (Hires) reflects turnover and position changes.

Page 10 - Adjusted Base Case Indicators

The indicators that change from the Base Case are Teachers per 1000 Weighted Pupils; Materials, Supplies and Library Books per Weighted Pupil; and Net Expenditure per Weighted Pupil. Because expenditures for curriculum materials, supplies, and library books are part of the non-salary cost of Instructional Support Services Program, these expenditures are projected on the same basis as the non-salary cost. See the discussion of page 7 for a description of how the projection is done. All entered indicator values are actually Final Base Case values.

PROGRAM COSTS

		CY	Y1	Y2	Y3	Y4	Y5
POLICY AND EXECUTIVE	S	33170.00	35491.89	37976.28	40634.59	43478.97	46522.48
	NS	0.0	0.0	0.0	0.0	0.0	0.0
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	33170.00	35491.89	37976.28	40634.59	43478.97	46522.48
COMPREHENSIVE PLANNING	S	43360.00	46395.18	49642.79	53117.75	56835.94	60814.43
	NS	0.0	0.0	0.0	0.0	0.0	0.0
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	43360.00	46395.18	49642.79	53117.75	56835.94	60814.43
INFORMATION AND LIAISON	S	26140.00	27969.79	29927.64	32022.55	34264.10	36662.57
	NS	0.0	0.0	0.0	0.0	0.0	0.0
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	26140.00	27969.79	29927.64	32022.55	34264.10	36662.57
COMMUNITY SERVICES	S	55583.00	59473.79	63636.89	68091.37	72857.75	77957.75
	NS	11920.00	12277.59	12645.91	13025.28	13416.02	13818.50
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	67503.00	71751.37	76282.75	81116.62	86273.75	91776.25
COORDINATE SUPPORT SERVICES	S	68080.00	72845.56	77944.62	83400.75	89238.69	95485.37
	NS	92049.00	94810.44	97654.62	100584.19	103601.62	106709.62
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	160129.00	167656.00	175599.25	183984.94	192840.31	202195.00
EARLY CHILDHOOD INSTRUCTION	S	235946.00	277505.19	285612.50	294585.69	312939.31	324238.37
	NS	20633.00	24204.14	25339.58	26200.12	27503.07	28690.26
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	256579.00	301709.31	310952.06	320785.75	340442.37	352928.62
ELEMENTARY INSTRUCTION	S	2094176.00	2353870.00	2504364.00	2660737.00	2830778.00	3015125.00
	NS	136125.00	150173.81	159009.37	168141.37	177652.75	187662.12
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	2230301.00	2504043.00	2663373.00	2828878.00	3008430.00	3202787.00
SECONDARY INSTRUCTION	S	2642023.00	2942491.00	3188939.00	3467176.00	3779790.00	4111755.00
	NS	182729.00	198334.06	215024.37	233438.19	252728.37	272857.87
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	2824752.00	3140825.00	3403963.00	3700614.00	4032518.00	4384612.00
VOC.-TECH. INSTRUCTION	S	0.0	0.0	0.0	0.0	0.0	0.0
	NS	112626.00	122191.62	132628.06	143990.87	155916.19	168427.44
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	112626.00	122191.62	132628.06	143990.87	155916.19	168427.44
SPECIAL INSTRUCTION	S	134060.00	147664.81	158724.81	163075.31	176438.12	191304.12
	NS	7175.00	7858.79	8434.56	9037.80	9669.65	10331.28
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	141235.00	155523.56	167159.37	172113.00	186107.75	201635.37
CONTINUING INSTRUCTION	S	0.0	0.0	0.0	0.0	0.0	0.0
	NS	1850.00	1905.50	1962.66	2021.54	2082.19	2144.65
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	1850.00	1905.50	1962.66	2021.54	2082.19	2144.65
INSTRUCTIONAL SUPPORT SER.	S	1593407.00	1704945.00	1824289.00	1951988.00	2088625.00	2234828.00
	NS	238765.00	261835.19	280567.62	300578.94	321685.81	343695.37

	CO	85390.00	85390.00	85390.00	85390.00	85390.00	85390.00
	T	1917562.00	2052170.00	2190246.00	2337956.00	2495700.00	2663913.00
NURSING	S	161655.00	172970.75	185078.50	198033.87	211896.06	226728.69
	NS	0.0	0.0	0.0	0.0	0.0	0.0
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	161655.00	172970.75	185078.50	198033.87	211896.06	226728.69
MEDICAL	S	9670.00	11023.72	12261.58	13634.09	15146.23	16798.87
	NS	7184.00	7878.15	8441.77	9043.87	9678.94	10341.17
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	16854.00	18901.87	20703.35	22677.96	24825.17	27140.04
DENTAL	S	3250.00	3704.97	4121.00	4582.29	5090.51	5645.95
	NS	348.00	381.63	408.93	438.09	468.86	500.94
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	3598.00	4086.60	4529.93	5020.39	5559.37	6146.88
PSYCHOLOGICAL	S	2000.00	2140.00	2289.80	2450.08	2621.58	2805.09
	NS	0.0	0.0	0.0	0.0	0.0	0.0
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	2000.00	2140.00	2289.80	2450.08	2621.58	2805.09
HEALTH SUPPORT SERVICES	S	3034.00	3246.38	3473.62	3716.77	3976.94	4255.32
	NS	8362.00	8612.86	8871.23	9137.36	9411.47	9693.82
	CO	1267.00	1267.00	1267.00	1267.00	1267.00	1267.00
	T	12663.00	13126.23	13611.86	14121.13	14655.41	15216.14
GENERAL SERVICES	S	92459.00	98931.06	105856.12	113266.00	121194.50	129678.06
	NS	20110.00	20713.29	21334.67	21974.70	22633.91	23312.92
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	112569.00	119644.31	127190.75	135240.69	143828.37	152990.94
PUPIL TRANSPORTATION	S	327513.00	350438.44	374968.81	408133.87	458908.00	506871.25
	NS	127878.00	131714.25	135665.56	142230.69	154207.87	164128.50
	CO	750.00	750.00	750.00	8750.00	24750.00	16750.00
	T	456141.00	482902.69	511384.37	559114.56	637865.87	687749.75
FOOD SERVICES	S	0.0	0.0	0.0	0.0	0.0	0.0
	NS	37400.00	41013.72	43947.96	47082.51	50388.68	53836.29
	CO	8077.00	8077.00	8077.00	8077.00	8077.00	8077.00
	T	45477.00	49090.72	52024.96	55159.51	58465.68	61913.29
FACILITIES	S	711952.00	761831.19	815158.50	872218.94	933273.37	998602.12
	NS	497874.00	511790.06	526123.31	540886.56	556092.69	571755.31
	CO	32834.00	32834.00	32834.00	32834.00	32834.00	32834.00
	T	1242700.00	1306455.00	1374115.00	1445939.00	1522200.00	1603191.00
FIXED CHARGES	S	632710.00	696715.37	746677.94	800873.06	862712.75	927790.69
	NS	54247.00	54247.00	54247.00	54247.00	54247.00	54247.00
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	686957.00	750962.37	800924.94	855120.06	916959.75	982037.69
BUSINESS SUPPORT SERVICES	S	51310.00	54901.68	58744.73	62856.82	67256.69	71964.62
	NS	39375.00	40556.24	41772.89	43026.04	44316.77	45646.27
	CO	10847.00	10847.00	10847.00	10847.00	10847.00	10847.00
	T	101532.00	106304.87	111364.56	116729.81	122420.44	128457.87
TOTAL ABOVE	S	8921538.00	9824549.00	10529681.00	11294589.00	12167317.00	13085828.00
	NS	1596650.00	1690497.00	1774077.00	1865083.00	1965695.00	2067795.00
	CO	139165.00	139165.00	139165.00	147165.00	163165.00	155165.00
	T	10657353.00	11654209.00	12442922.00	13306836.00	14296181.00	15308789.00

DEBT SERVICE	1639464.00	1639464.00	1639464.00	1639464.00	1639464.00	1639464.00
TOTAL COST	12296817.00	13293673.00	14082386.00	14946300.00	15935645.00	16948240.00

MANPOWER (FULL-TIME EQUIVALENTS)

		CY	Y1	Y2	Y3	Y4	Y5
PROFESSIONAL ADMINISTRATION	P	9.00	9.00	9.00	9.00	9.00	9.00
TURNOVER RATE 2.0	H	0.18	0.18	0.18	0.18	0.18	
PRINCIPALS	P	25.00	25.00	25.00	25.00	25.00	25.00
TURNOVER RATE 5.0	H	1.25	1.25	1.25	1.25	1.25	
TEACHERS - EARLY CHILDHOOD	P	24.00	28.00	28.00	28.00	29.00	29.00
SEE INDICATOR 7	H	7.36	3.92	3.92	4.92	4.06	
TEACHERS - ELEMENTARY	P	239.00	256.00	264.00	271.00	278.00	285.00
SEE INDICATOR 7	H	50.46	43.84	43.96	44.94	45.92	
TEACHERS - SECONDARY	P	307.00	324.00	341.00	359.00	378.00	396.00
SEE INDICATOR 7	H	59.98	62.36	65.74	69.26	70.92	
TEACHERS - VOC.-TECH.	P	0.0	0.0	0.0	0.0	0.0	0.0
SEE INDICATOR 7	H	0.0	0.0	0.0	0.0	0.0	
TEACHERS - SPECIAL	P	13.00	14.00	15.00	15.00	16.00	17.00
SEE INDICATOR 7	H	2.82	2.96	2.10	3.10	3.24	
TEACHERS - CONTINUING	P	0.0	0.0	0.0	0.0	0.0	0.0
SEE INDICATOR 7	H	0.0	0.0	0.0	0.0	0.0	
INSTRUCTIONAL SPECIALISTS	P	104.00	104.00	104.00	104.00	104.00	104.00
TURNOVER RATE 2.0	H	2.08	2.08	2.08	2.08	2.08	
NURSES	P	18.00	18.00	18.00	18.00	18.00	18.00
TURNOVER RATE 2.0	H	0.36	0.36	0.36	0.36	0.36	
PSYCHOLOGISTS	P	0.0	0.0	0.0	0.0	0.0	0.0
TURNOVER RATE 2.0	H	0.0	0.0	0.0	0.0	0.0	
CLERICAL PERSONNEL	P	75.00	75.00	75.00	75.00	75.00	75.00
TURNOVER RATE 20.0	H	15.00	15.00	15.00	15.00	15.00	
OPERATIONS PERSONNEL	P	134.00	134.00	134.00	134.00	134.00	134.00
TURNOVER RATE 2.0	H	2.68	2.68	2.68	2.68	2.68	
MAINTENANCE PERSONNEL	P	21.00	21.00	21.00	21.00	21.00	21.00
TURNOVER RATE 2.0	H	0.42	0.42	0.42	0.42	0.42	
BUS DRIVERS	P	58.00	58.00	58.00	59.00	62.00	64.00
TURNOVER RATE 15.0	H	8.70	8.70	9.70	11.85	11.30	
FOOD SERVICE PERSONNEL	P	0.0	0.0	0.0	0.0	0.0	0.0
TURNOVER RATE 2.0	H	0.0	0.0	0.0	0.0	0.0	
ADMINISTRATIVE STAFF	P	7.00	7.00	7.00	7.00	7.00	7.00
TURNOVER RATE 2.0	H	0.14	0.14	0.14	0.14	0.14	
TOTAL POSITIONS		1034.00	1073.00	1099.00	1125.00	1156.00	1184.00
TOTAL HIRES		151.43	143.89	147.53	156.18	157.55	

INDICATORS

	CY	Y1	Y2	Y3	Y4	Y5
EXCESS ENROLLMENT	1601.70	2434.29	2961.47	3503.49	4053.44	4599.42
TEACHERS/1000 WGT. PUPILS	44.09	44.15	44.25	44.22	44.36	44.39
SECONDARY COURSE OFFERINGS	167.00	167.00	167.00	167.00	167.00	167.00
INST.SPEC.,NURS.,PSYCH./1000 WGT. PUPILS	9.23	8.66	8.33	8.02	7.72	7.45
MATLS.,SUPPS.,LIB.BKS./WGT. PUPIL	8.39	8.64	9.16	10.01	11.27	13.07
NET EXPEND./WGT. PUPIL	863.22	876.48	892.28	910.29	933.93	957.40
PROF. STAFF TURNOVER (PCT.)	14.00	14.00	14.00	14.00	14.00	14.00
PROF. STAFF MA OR MORE (PCT.)	19.00	19.00	19.00	19.00	19.00	19.00
PCT. GRAD. CLASS ATTEND PHSE	67.10	67.10	67.10	67.10	67.10	67.10
DROPOUTS PCT. ENROLLMENT	1.20	1.20	1.20	1.20	1.20	1.20
LANGUAGE ACHIEVEMENT	1.76	1.76	1.76	1.76	1.76	1.76
MATHEMATICS ACHIEVEMENT	1.35	1.35	1.35	1.35	1.35	1.35

SUBSIDIARY DATA

CLASSROOMS	442.00	442.00	442.00	442.00	442.00	442.00
MATLS.,SUPPS.,LIB.BKS.	118381.00	129819.44	143280.25	162847.50	190443.06	229010.25

Page 11 - Adjusted Base Case Indicator Gaps

CY-Y5 desired indicator levels are entered for each of the twelve indicators. The indicator levels on page 10 are subtracted from the desired indicator levels to obtain the indicator gaps.

Pages 12-16 - Final Base Case Capital Improvement Projects

These pages exhibit the manpower and cost consequences of five capital improvement projects. For each capital improvement project, the manpower and costs are displayed according to the programs affected. Salary costs do not reflect fixed charges. When these five capital improvement projects are combined with the Adjusted Base Case program costs and manpower, fixed charges salary costs will be incurred for all the salary cost shown at the same ratio described in the discussion of page 7.

Page 17 - Final Base Case Program Costs

The programs whose costs differ from the Adjusted Base Case are those programs listed under the five capital improvement projects and Fixed Charges Program.

Page 18 - Final Base Case Manpower

The manpower positions that change from the Adjusted Base Case are the manpower positions listed under the five Capital Improvement Projects. The calculation of Hires reflects turnover and position changes.

INDICATOR GAPS

		CY	Y1	Y2	Y3	Y4	Y5
EXCESS ENROLLMENT	D	700.00	700.00	700.00	700.00	700.00	700.00
	A	1601.70	2434.29	2961.47	3503.49	4053.44	4599.42
	G	-901.70	-1734.29	-2261.47	-2803.49	-3353.44	-3899.42
TEACHERS/1000 WGT. PUPILS	D	50.00	50.00	50.00	50.00	50.00	50.00
	A	44.09	44.15	44.25	44.22	44.36	44.39
	G	5.91	5.85	5.75	5.78	5.64	5.61
SECONDARY COURSE OFFERINGS	D	180.00	180.00	180.00	180.00	180.00	180.00
	A	167.00	167.00	167.00	167.00	167.00	167.00
	G	13.00	13.00	13.00	13.00	13.00	13.00
INST.SPEC.,NURS.,PSYCH./1000 WGT. PUPILS	D	10.00	10.00	10.00	10.00	10.00	10.00
	A	9.23	8.66	8.33	8.02	7.72	7.45
	G	0.77	1.34	1.67	1.98	2.28	2.55
MATLS.,SUPPS.,LIB.BKS./WGT. PUPIL	D	12.00	12.00	12.00	12.00	12.00	12.00
	A	8.39	8.64	9.16	10.01	11.27	13.07
	G	3.61	3.36	2.84	1.99	0.73	-1.07
NET EXPEND./WGT. PUPIL	D	900.00	900.00	900.00	900.00	900.00	900.00
	A	863.22	876.48	892.28	910.29	933.93	957.40
	G	36.78	23.52	7.72	-10.29	-33.93	-57.40
PROF. STAFF TURNOVER (PCT.)	D	10.00	10.00	10.00	10.00	10.00	10.00
	A	14.00	14.00	14.00	14.00	14.00	14.00
	G	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00
PROF. STAFF MA OR MORE (PCT.)	D	30.00	30.00	30.00	30.00	30.00	30.00
	A	19.00	19.00	19.00	19.00	19.00	19.00
	G	11.00	11.00	11.00	11.00	11.00	11.00
PCT. GRAD. CLASS ATTEND PHSE	D	70.00	70.00	70.00	70.00	70.00	70.00
	A	67.10	67.10	67.10	67.10	67.10	67.10
	G	2.90	2.90	2.90	2.90	2.90	2.90
DROPOUTS PCT. ENROLLMENT	D	1.00	1.00	1.00	1.00	1.00	1.00
	A	1.20	1.20	1.20	1.20	1.20	1.20
	G	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
LANGUAGE ACHIEVEMENT	D	2.00	2.00	2.00	2.00	2.00	2.00
	A	1.76	1.76	1.76	1.76	1.76	1.76
	G	0.24	0.24	0.24	0.24	0.24	0.24
MATHEMATICS ACHIEVEMENT	D	1.75	1.75	1.75	1.75	1.75	1.75
	A	1.35	1.35	1.35	1.35	1.35	1.35
	G	0.40	0.40	0.40	0.40	0.40	0.40

OPERATIONS OR CAPITAL IMPROVEMENT PROJECT NUMBER 1 LITTLE RED SCHOOL ADDITION

8. CLASSROOMS BEGINNING Y1

CHANGE IN PROGRAM-FACILITIES

MANPOWER	Y1	Y2	Y3	Y4	Y5
OPERATIONS PERSONNEL	0.50	0.50	0.50	0.50	0.50
MAINTENANCE PERSONNEL	0.0	0.0	0.0	0.0	0.0

COSTS	Y1	Y2	Y3	Y4	Y5
SALARY	1800.00	1926.00	2060.82	2205.07	2359.42
NON-SALARY	2700.00	2781.00	2864.43	2950.36	3038.86
CAPITAL OUTLAY	0.0	0.0	0.0	0.0	0.0
DEBT SERVICE	0.0	0.0	0.0	0.0	0.0
TOTAL ABOVE	4500.00	4707.00	4925.24	5155.43	5398.29

OPERATIONS OR CAPITAL IMPROVEMENT PROJECT NUMBER 2 LITTLE BLUE SCHOOL ADDITION

7. CLASSROOMS BEGINNING Y1

CHANGE IN PROGRAM-FACILITIES

MANPOWER	Y1	Y2	Y3	Y4	Y5
OPERATIONS PERSONNEL	0.50	0.50	0.50	0.50	0.50
MAINTENANCE PERSONNEL	0.0	0.0	0.0	0.0	0.0

COSTS	Y1	Y2	Y3	Y4	Y5
SALARY	1800.00	1926.00	2060.82	2205.07	2359.42
NON-SALARY	2700.00	2781.00	2864.43	2950.36	3038.86
CAPITAL OUTLAY	0.0	0.0	0.0	0.0	0.0
DEBT SERVICE	0.0	0.0	0.0	0.0	0.0
TOTAL ABOVE	4500.00	4707.00	4925.24	5155.43	5398.29

OPERATIONS OR CAPITAL IMPROVEMENT PROJECT NUMBER 3 LITTLE GREEN SCHOOL ADDITION

13. CLASSROOMS BEGINNING Y1

CHANGE IN PROGRAM-INSTRUCTIONAL SUPPORT SER.

MANPOWER	Y1	Y2	Y3	Y4	Y5
PRINCIPALS	0.0	0.0	0.0	0.0	0.0
INSTRUCTIONAL SPECIALISTS	1.00	1.00	1.00	1.00	1.00
CLERICAL PERSONNEL	0.0	0.0	0.0	0.0	0.0

COSTS	Y1	Y2	Y3	Y4	Y5
SALARY	8800.00	9416.00	10075.11	10780.36	11534.97
NON-SALARY	0.0	0.0	0.0	0.0	0.0
MATLS.,SUPPS.,LIB.BKS.	5000.00	0.0	0.0	0.0	0.0
CAPITAL OUTLAY	0.0	0.0	0.0	0.0	0.0
TOTAL ABOVE	13800.00	9416.00	10075.11	10780.36	11534.97

CHANGE IN PROGRAM-FACILITIES

MANPOWER	Y1	Y2	Y3	Y4	Y5
OPERATIONS PERSONNEL	2.00	2.00	2.00	2.00	2.00
MAINTENANCE PERSONNEL	0.0	0.0	0.0	0.0	0.0

COSTS	Y1	Y2	Y3	Y4	Y5
SALARY	5000.00	5350.00	5724.49	6125.20	6553.96
NON-SALARY	4100.00	4223.00	4349.68	4480.17	4614.57
CAPITAL OUTLAY	0.0	0.0	0.0	0.0	0.0
DEBT SERVICE	0.0	0.0	0.0	0.0	0.0
TOTAL ABOVE	9100.00	9572.99	10074.17	10605.37	11168.53

OPERATIONS OR CAPITAL IMPROVEMENT PROJECT NUMBER 4 LITTLE YELLOW SCHOOL ADDITION

12. CLASSROOMS BEGINNING Y1

CHANGE IN PROGRAM-FACILITIES

MANPOWER	Y1	Y2	Y3	Y4	Y5
OPERATIONS PERSONNEL	1.50	1.50	1.50	1.50	1.50
MAINTENANCE PERSONNEL	0.0	0.0	0.0	0.0	0.0

COSTS	Y1	Y2	Y3	Y4	Y5
SALARY	4050.00	4333.50	4636.84	4961.41	5308.71
NON-SALARY	4000.00	4120.00	4243.59	4370.90	4502.02
CAPITAL OUTLAY	0.0	0.0	0.0	0.0	0.0
DEBT SERVICE	0.0	0.0	0.0	0.0	0.0
TOTAL ABOVE	8050.00	8453.49	8880.43	9332.31	9810.73

OPERATIONS OR CAPITAL IMPROVEMENT PROJECT NUMBER 5 SPECIAL LEARNING LABORATORY

0. CLASSROOMS BEGINNING Y1

CHANGE IN PROGRAM-SPECIAL INSTRUCTION

MANPOWER	Y1	Y2	Y3	Y4	Y5
TEACHERS - SPECIAL	4.00	4.00	4.00	4.00	4.00

COSTS	Y1	Y2	Y3	Y4	Y5
SALARY	40000.00	42799.98	45795.92	49001.61	52431.67
NON-SALARY	0.0	0.0	0.0	0.0	0.0
CAPITAL OUTLAY	13000.00	0.0	0.0	0.0	0.0
TOTAL ABOVE	53000.00	42799.98	45795.92	49001.61	52431.67

CHANGE IN PROGRAM-INSTRUCTIONAL SUPPORT SER.

MANPOWER	Y1	Y2	Y3	Y4	Y5
PRINCIPALS	0.0	0.0	0.0	0.0	0.0
INSTRUCTIONAL SPECIALISTS	5.00	5.00	5.00	5.00	5.00
CLERICAL PERSONNEL	4.00	4.00	4.00	4.00	4.00

COSTS	Y1	Y2	Y3	Y4	Y5
SALARY	58500.00	62594.96	66976.50	71664.81	76681.25
NON-SALARY	0.0	0.0	0.0	0.0	0.0
MATLS.,SUPPS.,LIB.BKS.	0.0	0.0	0.0	0.0	0.0
CAPITAL OUTLAY	0.0	0.0	0.0	0.0	0.0
TOTAL ABOVE	58500.00	62594.96	66976.50	71664.81	76681.25

CHANGE IN PROGRAM-PSYCHOLOGICAL

MANPOWER	Y1	Y2	Y3	Y4	Y5
PSYCHOLOGISTS	1.00	1.00	1.00	1.00	1.00

COSTS	Y1	Y2	Y3	Y4	Y5
SALARY	12500.00	13375.00	14311.23	15313.00	16384.90
NON-SALARY	5000.00	5150.00	5304.49	5463.62	5627.52
CAPITAL OUTLAY	0.0	0.0	0.0	0.0	0.0
TOTAL ABOVE	17500.00	18524.99	19615.72	20776.62	22012.42

PROGRAM COSTS

		CY	Y1	Y2	Y3	Y4	Y5
POLICY AND EXECUTIVE	S	33170.00	35491.89	37976.28	40634.59	43478.97	46522.48
	NS	0.0	0.0	0.0	0.0	0.0	0.0
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	33170.00	35491.89	37976.28	40634.59	43478.97	46522.48
COMPREHENSIVE PLANNING	S	43360.00	46395.18	49642.79	53117.75	56835.94	60814.43
	NS	0.0	0.0	0.0	0.0	0.0	0.0
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	43360.00	46395.18	49642.79	53117.75	56835.94	60814.43
INFORMATION AND LIAISON	S	26140.00	27969.79	29927.64	32022.55	34264.10	36662.57
	NS	0.0	0.0	0.0	0.0	0.0	0.0
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	26140.00	27969.79	29927.64	32022.55	34264.10	36662.57
COMMUNITY SERVICES	S	55583.00	59473.79	63636.89	68091.37	72857.75	77957.75
	NS	11920.00	12277.59	12645.91	13025.28	13416.02	13818.50
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	67503.00	71751.37	76282.75	81116.62	86273.75	91776.25
COORDINATE SUPPORT SERVICES	S	68080.00	72845.56	77944.62	83400.75	89238.69	95485.37
	NS	92049.00	94810.44	97654.62	100584.19	103601.62	106709.62
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	160129.00	167656.00	175599.25	183984.94	192840.31	202195.00
EARLY CHILDHOOD INSTRUCTION	S	235946.00	277505.19	285612.50	294585.69	312939.31	324238.37
	NS	20633.00	24204.14	25339.58	26200.12	27503.07	28690.26
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	256579.00	301709.31	310952.06	320785.75	340442.37	352928.62
ELEMENTARY INSTRUCTION	S	2094176.00	2353870.00	2504364.00	2660737.00	2830778.00	3015125.00
	NS	136125.00	150173.81	159009.37	168141.37	177652.75	187662.12
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	2230301.00	2504043.00	2663373.00	2828878.00	3008430.00	3202787.00
SECONDARY INSTRUCTION	S	2642023.00	2942491.00	3188939.00	3467176.00	3779790.00	4111755.00
	NS	182729.00	198334.06	215024.37	233438.19	252728.37	272857.87
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	2824752.00	3140825.00	3403963.00	3700614.00	4032518.00	4384612.00
VOC.-TECH. INSTRUCTION	S	0.0	0.0	0.0	0.0	0.0	0.0
	NS	112626.00	122191.62	132628.06	143990.87	155916.19	168427.44
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	112626.00	122191.62	132628.06	143990.87	155916.19	168427.44
SPECIAL INSTRUCTION	S	134060.00	187664.81	201524.75	208871.19	225439.69	243735.75
	NS	7175.00	7858.79	8434.56	9037.80	9669.65	10331.28
	CO	0.0	13000.00	0.0	0.0	0.0	0.0
	T	141235.00	208523.56	209959.31	217908.94	235109.31	254067.00
CONTINUING INSTRUCTION	S	0.0	0.0	0.0	0.0	0.0	0.0
	NS	1850.00	1905.50	1962.66	2021.54	2082.19	2144.65
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	1850.00	1905.50	1962.66	2021.54	2082.19	2144.65
INSTRUCTIONAL SUPPORT SER.	S	1593407.00	1772245.00	1896298.00	2029039.00	2171069.00	2323043.00
	NS	238765.00	266835.19	280567.62	300578.94	321685.81	343695.37

	CO	85390.00	85390.00	85390.00	85390.00	85390.00	85390.00
	T	1917562.00	2124470.00	2262255.00	2415007.00	2578144.00	2752128.00
NURSING	S	161655.00	172970.75	185078.50	198033.87	211896.06	226728.69
	NS	0.0	0.0	0.0	0.0	0.0	0.0
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	161655.00	172970.75	185078.50	198033.87	211896.06	226728.69
MEDICAL	S	9670.00	11023.72	12261.58	13634.09	15146.23	16798.87
	NS	7184.00	7878.15	8441.77	9043.87	9678.94	10341.17
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	16854.00	18901.87	20703.35	22677.96	24825.17	27140.04
DENTAL	S	3250.00	3704.97	4121.00	4582.29	5090.51	5645.95
	NS	348.00	381.63	408.93	438.09	468.86	500.94
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	3598.00	4086.60	4529.93	5020.39	5559.37	6146.88
PSYCHOLOGICAL	S	2000.00	14640.00	15664.79	16761.30	17934.59	19189.99
	NS	0.0	5000.00	5150.00	5304.49	5463.62	5627.52
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	2000.00	19640.00	20814.79	22065.80	23398.21	24817.52
HEALTH SUPPORT SERVICES	S	3034.00	3246.38	3473.62	3716.77	3976.94	4255.32
	NS	8362.00	8612.86	8871.23	9137.36	9411.47	9693.82
	CO	1267.00	1267.00	1267.00	1267.00	1267.00	1267.00
	T	12663.00	13126.23	13611.86	14121.13	14655.41	15216.14
GENERAL SERVICES	S	92459.00	98931.06	105856.12	113266.00	121194.50	129678.06
	NS	20110.00	20713.29	21334.67	21974.70	22633.91	23312.92
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	112569.00	119644.31	127190.75	135240.69	143828.37	152990.94
PUPIL TRANSPORTATION	S	327513.00	350438.44	374968.81	408133.87	458908.00	506871.25
	NS	127878.00	131714.25	135665.56	142230.69	154207.87	164128.50
	CO	750.00	750.00	750.00	8750.00	24750.00	16750.00
	T	456141.00	482902.69	511384.37	559114.56	637865.87	687749.75
FOOD SERVICES	S	0.0	0.0	0.0	0.0	0.0	0.0
	NS	37400.00	41013.72	43947.96	47082.51	50388.68	53836.29
	CO	8077.00	8077.00	8077.00	8077.00	8077.00	8077.00
	T	45477.00	49090.72	52024.96	55159.51	58465.68	61913.29
FACILITIES	S	711952.00	774481.19	828693.75	886701.81	948770.06	1015183.50
	NS	497874.00	525290.06	540028.06	555208.50	570844.31	586949.50
	CO	32834.00	32834.00	32834.00	32834.00	32834.00	32834.00
	T	1242700.00	1332605.00	1401555.00	1474744.00	1552448.00	1634967.00
FIXED CHARGES	S	632710.00	706841.44	757512.62	812466.31	875117.44	941063.56
	NS	54247.00	54247.00	54247.00	54247.00	54247.00	54247.00
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	686957.00	761088.44	811759.62	866713.31	929364.44	995310.56
BUSINESS SUPPORT SERVICES	S	51310.00	54901.68	58744.73	62856.82	67256.69	71964.62
	NS	39375.00	40556.24	41772.89	43026.04	44316.77	45646.27
	CO	10847.00	10847.00	10847.00	10847.00	10847.00	10847.00
	T	101532.00	106304.87	111364.56	116729.81	122420.44	128457.87
TOTAL ABOVE	S	8921538.00	9967125.00	10682235.00	11457823.00	12341977.00	13272712.00
	NS	1596650.00	1713997.00	1793132.00	1884710.00	1985910.00	2088616.00
	CO	139165.00	152165.00	139165.00	147165.00	163165.00	155165.00
	T	10657353.00	11833285.00	12614531.00	13489695.00	14491057.00	15516497.00

DEBT SERVICE	1639464.00	1639464.00	1639464.00	1639464.00	1639464.00	1639464.00
TOTAL COST	12296817.00	13472749.00	14253995.00	15129159.00	16130521.00	17155952.00

MANPOWER (FULL-TIME EQUIVALENTS)

		CY	Y1	Y2	Y3	Y4	Y5
PROFESSIONAL ADMINISTRATION	P	9.00	9.00	9.00	9.00	9.00	9.00
TURNOVER RATE 2.0	H	0.18	0.18	0.18	0.18	0.18	
PRINCIPALS	P	25.00	25.00	25.00	25.00	25.00	25.00
TURNOVER RATE 5.0	H	1.25	1.25	1.25	1.25	1.25	
TEACHERS - EARLY CHILDHOOD	P	24.00	28.00	28.00	28.00	29.00	29.00
SEE INDICATOR 7	H	7.36	3.92	3.92	4.92	4.06	
TEACHERS - ELEMENTARY	P	239.00	256.00	264.00	271.00	278.00	285.00
SEE INDICATOR 7	H	50.46	43.84	43.96	44.94	45.92	
TEACHERS - SECONDARY	P	307.00	324.00	341.00	359.00	378.00	396.00
SEE INDICATOR 7	H	59.98	62.36	65.74	69.26	70.92	
TEACHERS - VOC.-TECH.	P	0.0	0.0	0.0	0.0	0.0	0.0
SEE INDICATOR 7	H	0.0	0.0	0.0	0.0	0.0	
TEACHERS - SPECIAL	P	13.00	18.00	19.00	19.00	20.00	21.00
SEE INDICATOR 7	H	6.82	3.52	2.66	3.66	3.80	
TEACHERS - CONTINUING	P	0.0	0.0	0.0	0.0	0.0	0.0
SEE INDICATOR 7	H	0.0	0.0	0.0	0.0	0.0	
INSTRUCTIONAL SPECIALISTS	P	104.00	110.00	110.00	110.00	110.00	110.00
TURNOVER RATE 2.0	H	8.08	2.20	2.20	2.20	2.20	
NURSES	P	18.00	18.00	18.00	18.00	18.00	18.00
TURNOVER RATE 2.0	H	0.36	0.36	0.36	0.36	0.36	
PSYCHOLOGISTS	P	0.0	1.00	1.00	1.00	1.00	1.00
TURNOVER RATE 2.0	H	1.00	0.02	0.02	0.02	0.02	
CLERICAL PERSONNEL	P	75.00	79.00	79.00	79.00	79.00	79.00
TURNOVER RATE 20.0	H	19.00	15.80	15.80	15.80	15.80	
OPERATIONS PERSONNEL	P	134.00	138.50	138.50	138.50	138.50	138.50
TURNOVER RATE 2.0	H	7.18	2.77	2.77	2.77	2.77	
MAINTENANCE PERSONNEL	P	21.00	21.00	21.00	21.00	21.00	21.00
TURNOVER RATE 2.0	H	0.42	0.42	0.42	0.42	0.42	
BUS DRIVERS	P	58.00	58.00	58.00	59.00	62.00	64.00
TURNOVER RATE 15.0	H	8.70	8.70	9.70	11.85	11.30	
FOOD SERVICE PERSONNEL	P	0.0	0.0	0.0	0.0	0.0	0.0
TURNOVER RATE 2.0	H	0.0	0.0	0.0	0.0	0.0	
ADMINISTRATIVE STAFF	P	7.00	7.00	7.00	7.00	7.00	7.00
TURNOVER RATE 2.0	H	0.14	0.14	0.14	0.14	0.14	
TOTAL POSITIONS		1034.00	1092.50	1118.50	1144.50	1175.50	1203.50
TOTAL HIRES		170.93	145.48	149.12	157.77	159.14	

Page 19 - Final Base Case Indicators

The indicators that change from the Adjusted Base Case are Excess Enrollment; Teachers per 1000 Weighted Pupils; Instructional Specialists, Nurses, and Psychologists per 1000 Weighted Pupils; Materials, Supplies, and Library Books per Weighted Pupil; and Net Expenditures per Weighted Pupil. The five Capital Improvement Projects classrooms are added to the Adjusted Base Case classrooms. The expenditures for curriculum materials, supplies, and library books of Capital Improvement Project 3 are added to the Adjusted Base Case total expenditures for curriculum materials, supplies, and library books.

Page 20 - Final Base Case Indicator Gaps

CY-Y5 desired indicator levels are entered for each of the twelve indicators. The indicator levels on page 19 are subtracted from the desired indicator levels to obtain the indicator gaps.

Page 21 - Final Base Case Real Estate Tax Revenue Forecast

Y1-Y5 District Real Property Market Value and Y1-Y5 Assessment Ratio are entered. Taxable Assessed Value is the product of District Real Property Market Value times the Assessment Ratio. Revenue per mill is Taxable Assessed Value divided by 1000. The CY Real Estate Tax Rate in mills is entered. Assessed Tax is the product of Revenue per mill times the CY Real Estate Tax Rate. The Collection Percent is entered. Gross Assessed Tax is the result of applying the Collection Percent to Assessed Tax. Y1-Y5 Adjustments, representing such things as penalties, discounts, exonerations, liens filed, etc., are entered. The Total Real Estate Tax at CY Rate results from applying the Adjustments to the Gross Assessed Tax.

INDICATORS

	CY	Y1	Y2	Y3	Y4	Y5
EXCESS ENROLLMENT	1601.70	1434.29	1961.47	2503.49	3053.44	3599.42
TEACHERS/1000 WGT. PUPILS	44.09	44.43	44.52	44.48	44.62	44.63
SECONDARY COURSE OFFERINGS	167.00	167.00	167.00	167.00	167.00	167.00
INST.SPEC.,NURS.,PSYCH./1000 WGT. PUPILS	9.23	9.16	8.81	8.48	8.16	7.88
MATLS.,SUPPS.,LIB.BKS./WGT. PUPIL	8.39	8.97	9.16	10.01	11.27	13.07
NET EXPEND./WGT. PUPIL	863.22	888.39	903.25	921.53	945.46	969.25
PROF. STAFF TURNOVER (PCT.)	14.00	14.00	14.00	14.00	14.00	14.00
PROF. STAFF MA OR MORE (PCT.)	19.00	19.00	19.00	19.00	19.00	19.00
PCT. GRAD. CLASS ATTEND PHSE	67.10	67.10	67.10	67.10	67.10	67.10
DROPOUTS PCT. ENROLLMENT	1.20	1.20	1.20	1.20	1.20	1.20
LANGUAGE ACHIEVEMENT	1.76	1.76	1.76	1.76	1.76	1.76
MATHEMATICS ACHIEVEMENT	1.35	1.35	1.35	1.35	1.35	1.35

SUBSIDIARY DATA

CLASSROOMS	442.00	482.00	482.00	482.00	482.00	482.00
MATLS.,SUPPS.,LIB.BKS.	118381.00	134819.44	143280.25	162847.50	190443.06	229010.25

INDICATOR GAPS

		CY	Y1	Y2	Y3	Y4	Y5
EXCESS ENROLLMENT	D	700.00	700.00	700.00	700.00	700.00	700.00
	A	1601.70	1434.29	1961.47	2503.49	3053.44	3599.42
	G	-901.70	-734.29	-1261.47	-1803.49	-2353.44	-2899.42
TEACHERS/1000 WGT. PUPILS	D	50.00	50.00	50.00	50.00	50.00	50.00
	A	44.09	44.43	44.52	44.48	44.62	44.63
	G	5.91	5.57	5.48	5.52	5.38	5.37
SECONDARY COURSE OFFERINGS	D	180.00	180.00	180.00	180.00	180.00	180.00
	A	167.00	167.00	167.00	167.00	167.00	167.00
	G	13.00	13.00	13.00	13.00	13.00	13.00
INST.SPEC.,NURS.,PSYCH./1000 WGT. PUPILS	D	10.00	10.00	10.00	10.00	10.00	10.00
	A	9.23	9.16	8.81	8.48	8.16	7.88
	G	0.77	0.84	1.19	1.52	1.84	2.12
MATLS.,SUPPS.,LIB.BKS./WGT. PUPIL	D	12.00	12.00	12.00	12.00	12.00	12.00
	A	8.39	8.97	9.16	10.01	11.27	13.07
	G	3.61	3.03	2.84	1.99	0.73	-1.07
NET EXPEND./WGT. PUPIL	D	900.00	900.00	900.00	900.00	900.00	900.00
	A	863.22	888.39	903.25	921.53	945.46	969.25
	G	36.78	11.61	-3.25	-21.53	-45.46	-69.25
PROF. STAFF TURNOVER (PCT.)	D	10.00	10.00	10.00	10.00	10.00	10.00
	A	14.00	14.00	14.00	14.00	14.00	14.00
	G	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00
PROF. STAFF MA OR MORE (PCT.)	D	30.00	30.00	30.00	30.00	30.00	30.00
	A	19.00	19.00	19.00	19.00	19.00	19.00
	G	11.00	11.00	11.00	11.00	11.00	11.00
PCT. GRAD. CLASS ATTEND PHSE	D	70.00	70.00	70.00	70.00	70.00	70.00
	A	67.10	67.10	67.10	67.10	67.10	67.10
	G	2.90	2.90	2.90	2.90	2.90	2.90
DROPOUTS PCT. ENROLLMENT	D	1.00	1.00	1.00	1.00	1.00	1.00
	A	1.20	1.20	1.20	1.20	1.20	1.20
	G	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
LANGUAGE ACHIEVEMENT	D	2.00	2.00	2.00	2.00	2.00	2.00
	A	1.76	1.76	1.76	1.76	1.76	1.76
	G	0.24	0.24	0.24	0.24	0.24	0.24
MATHEMATICS ACHIEVEMENT	D	1.75	1.75	1.75	1.75	1.75	1.75
	A	1.35	1.35	1.35	1.35	1.35	1.35
	G	0.40	0.40	0.40	0.40	0.40	0.40

REVENUE FORECAST

REAL ESTATE TAX

	Y1	Y2	Y3	Y4	Y5
DIST. REAL PROPERTY MKT. VALUE	309696768.00	322120960.00	334848256.00	347878656.00	357575680.00
ASSESSMENT RATIO	0.330	0.330	0.330	0.330	0.330
TAXABLE ASSESSED VALUE	102199920.00	106299904.00	110499904.00	114799936.00	117999968.00
REVENUE/MILL	102199.87	106299.87	110499.87	114799.87	117999.94
CY TAX RATE (MILLS) 89.50					
ASSESSED TAX	9146888.00	9513838.00	9889738.00	10274588.00	10560994.00
COLLECTION PERCENT 99.00					
GROSS ASSESSED TAX	9055418.00	9418699.00	9790840.00	10171841.00	10455383.00
ADJUSTMENTS	-268366.00	-261286.00	-254206.00	-247126.00	-240006.00
TOTAL REAL ESTATE TAX AT CY RATE	8787052.00	9157413.00	9536634.00	9924715.00	10215377.00

Page 22 - Final Base Case Basic Instructional Subsidy Revenue Forecast

The Y1-Y5 District Real Property Market Value has already been entered. The Weighted Average Daily Membership has been calculated as indicated in the discussion of page 1. The District Property Market Value per Pupil is calculated as the ratio of District Real Property Market Value and the Weighted Average Daily Membership. The Y1-Y5 State Property Market Value per Pupil is entered. The District/State Ratio is calculated as the ratio of the District Property Market Value per Pupil and the State Property Market Value per pupil. The District Share is calculated as 1/2 the District/State Ratio. The Aid Ratio is calculated as 1 minus the District Share.

The Y1-Y5 State Subsidy per Pupil is entered. The District Foundation is calculated as the product of the Weighted Average Daily Membership and the State Subsidy per Pupil. The State Share of District Foundation is calculated as the product of the Aid Ratio times the District Foundation. Y1-Y5 Adjustments, representing density and sparsity payments, poverty payments, etc., are entered. The Net State Instructional Subsidy results from applying the Adjustments to the State Share of District Foundation.

REVENUE FORECAST

BASIC INSTRUCTIONAL SUBSIDY

	Y1	Y2	Y3	Y4	Y5
DIST. REAL PROPERTY MKT. VALUE	309696768.00	322120960.00	334848256.00	347878656.00	357575680.00
WT. AVRGE. DAILY MBRSHP.	15772.02	16419.30	17091.05	17770.37	18444.66
DIST. PROPERTY MKT. VALUE/PUPIL	19635.84	19618.44	19592.02	19576.33	19386.41
STATE PROPERTY MKT. VALUE/PUPIL	16275.00	16291.00	16307.00	16323.00	16339.00
DIST./STATE RATIO	1.206503	1.204249	1.201447	1.199309	1.186511
DISTRICT SHARE	0.603251	0.602125	0.600724	0.599655	0.593256
AID RATIO	0.396749	0.397875	0.399276	0.400345	0.406744
STATE SUBSIDY/PUPIL	550.00	550.00	550.00	550.00	550.00
DISTRICT FOUNDATION	8674608.00	9030613.00	9400080.00	9773704.00	10144563.00
STATE SHARE OF DIST. FOUNDATION	3441638.00	3593057.00	3753228.00	3912856.00	4126245.00
ADJUSTMENTS	0.0	0.0	0.0	0.0	0.0
NET STATE INSTRUCTIONAL SUBSIDY	3441638.00	3593057.00	3753228.00	3912856.00	4126245.00

Page 23 - Final Base Case Total Revenue Forecast

Y1-Y5 Total Other Revenue (revenue from Wage and Income Taxes, Per Capita Taxes, federally connected revenues, etc.), is entered. Total Other Revenue is added to Total Real Estate Tax at CY Rate and Net Instructional Subsidy to obtain Total Revenue at CY Real Estate Tax Rate.

Page 24 - Final Base Case Revenue Feasibility

Final Base Case Total Cost is subtracted from Total Revenue at CY Real Estate Tax Rate to obtain Surpluses and Deficits at the CY Real Estate Tax Rate. Surpluses at the end of any year are carried forward to the next year in calculating the next year's surplus or deficit.

The Y1-Y5 Real Estate Tax Rate in mills that are necessary to remove the deficits are calculated. Surpluses at the end of any year are carried forward to the next year in calculating the next year's Real Estate Tax Rate. The Total Revenue at Y1-Y5 Real Estate Tax Rates is calculated and any supluses that result from the Y1-Y5 tax rates are exhibited.

REVENUE FORECAST

TOTAL REVENUE

	Y1	Y2	Y3	Y4	Y5
TOTAL REAL ESTATE TAX AT CY RATE	8787052.00	9157413.00	9536634.00	9924715.00	10215377.00
NET STATE INSTRUCTIONAL SUBSIDY	3441638.00	3593057.00	3753228.00	3912856.00	4126245.00
TOTAL OTHER REVENUE	1107648.00	1223739.00	1235935.00	1263135.00	1295335.00
TOTAL REVENUE AT CY R.E. RATE	13336338.00	13974209.00	14525797.00	15100706.00	15636957.00

REVENUE FEASIBILITY

	Y1	Y2	Y3	Y4	Y5
TOTAL REVENUE AT CY REAL ESTATE TAX	13336338.00	13974209.00	14525797.00	15100706.00	15636957.00
SURPLUS FROM PRIOR YEAR	0.0	0.0	0.0	0.0	0.0
TOTAL COST	13472749.00	14253995.00	15129159.00	16130521.00	17155952.00
SURPLUS(+),DEFICIT(-) AT CY TAX RATE	-136411.00	-279786.00	-603362.00	-1029815.00	-1518995.00

	CY	Y1	Y2	Y3	Y4	Y5
REAL ESTATE TAX RATE (MILLS)	89.50	90.85	92.16	95.02	98.56	102.50
YEAR TO YEAR CHANGE		1.35	1.31	2.86	3.55	3.94

	Y1	Y2	Y3	Y4	Y5
TOTAL REVENUE AT Y1-Y5 R.E. TAX RATES	13472748.00	14253994.00	15129157.00	16130519.00	17155936.00
SURPLUS FROM PRIOR YEAR	0.0	0.0	0.0	0.0	0.0
TOTAL COST	13472749.00	14253995.00	15129159.00	16130521.00	17155952.00
SURPLUS AT Y1-Y5 R.E. TAX RATES	0.0	0.0	0.0	0.0	0.0

SUBSIDIARY DATA

		Y1	Y2	Y3	Y4	Y5
REVENUE/MILL		102199.87	106299.87	110499.87	114799.87	117999.94
COLLECT PERCENTAGE	99.00					
COLLECTED REVENUE/MILL		101177.81	105236.81	109394.81	113651.81	116819.87

Page 25 - Operations Project Alternative 1

This page exhibits the manpower and cost consequences of an Operations Project Alternative for Reading Improvement. The manpower and costs are displayed according to the programs affected. When the Operations Project Alternative is combined with the Final Base Case in one or several alternative sets of operations and capital improvement project alternatives, fixed charges salary costs will also be incurred according to the ratio described in the discussion of page 7.

The Y1-Y5 changes in the seven non-calculated indicators shown on page 26 are entered. When the Operations Project alternative is combined with the Final Base Case in one or several alternative sets, these changes in indicator levels will be added to the Final Base Case indicator levels. The other five indicators are calculated by the computer when the operations project alternative is combined with the Final Base Case.

OPERATIONS PROJECT ALTERNATIVE NUMBER 1 READING IMPROVEMENT

CHANGE IN PROGRAM-ELEMENTARY INSTRUCTION

MANPOWER	Y1	Y2	Y3	Y4	Y5
TEACHERS - ELEMENTARY	1.00	1.00	1.00	1.00	1.00

COSTS	Y1	Y2	Y3	Y4	Y5
SALARY	10000.00	10700.00	11448.98	12250.40	13107.92
NON-SALARY	0.0	0.0	0.0	0.0	0.0
CAPITAL OUTLAY	0.0	0.0	0.0	0.0	0.0
TOTAL ABOVE	10000.00	10700.00	11448.98	12250.40	13107.92

CHANGE IN PROGRAM-INSTRUCTIONAL SUPPORT SER.

MANPOWER	Y1	Y2	Y3	Y4	Y5
PRINCIPALS	0.0	0.0	0.0	0.0	0.0
INSTRUCTIONAL SPECIALISTS	3.00	3.00	3.00	3.00	3.00
CLERICAL PERSONNEL	0.0	0.0	0.0	0.0	0.0

COSTS	Y1	Y2	Y3	Y4	Y5
SALARY	18000.00	19259.99	20608.16	22050.73	23594.25
NON-SALARY	0.0	0.0	0.0	0.0	0.0
MATLS.,SUPPS.,LIB.BKS.	3000.00	3090.00	3083.00	3278.00	3376.00
CAPITAL OUTLAY	12000.00	0.0	0.0	0.0	0.0
TOTAL ABOVE	33000.00	22349.99	23691.16	25328.73	26970.25

INDICATOR CHANGES

	Y1	Y2	Y3	Y4	Y5
SECONDARY COURSE OFFERINGS	0.0	0.0	0.0	0.0	0.0
PROF. STAFF TURNOVER (PCT.)	0.0	0.0	0.0	0.0	0.0
PROF. STAFF MA OR MORE (PCT.)	0.50	0.50	0.50	0.50	0.50
PCT. GRAD. CLASS ATTEND PHSE	0.0	0.0	0.0	0.0	0.0
DROPOUTS PCT. ENROLLMENT	0.0	0.0	0.0	0.0	0.0
LANGUAGE ACHIEVEMENT	0.16	0.16	0.16	0.16	0.16
MATHEMATICS ACHIEVEMENT	0.12	0.12	0.12	0.12	0.12

Page 26 - Capital Improvement Project Alternative 1

This page exhibits the manpower and cost consequences of a Capital Improvement Project Alternative. The manpower and costs are displayed according to the programs affected. When the Capital Improvement Project Alternative is combined with the Final Base Case in one or several alternative sets of operations and capital improvement project alternatives, fixed charges salary costs will also be incurred according to the ratio described in the discussion of page 7.

When the Capital Improvement Project Alternative is combined with the Final Base Case, the Capital Improvement Project Alternative's classrooms are included in total classrooms for calculating Excess Enrollment. Also, the Capital Improvement Project Alternative's Additional Revenue is included in the Total Revenue at CY Real Estate Tax Rate.

The Y3-Y5 changes in the seven non-calculated indicators shown on Page 27 are entered. When the Capital Improvement Project Alternative is combined with the Final Base Case, these changes in indicator levels will be added to the Final Base Case indicator levels. The other five indicators are calculated by the computer when the Capital Improvement Project Alternative is combined with the Final Base Case.

CAPITAL IMPROVEMENT PROJECT ALTERNATIVE NUMBER 1 LITTLE ORANGE SCHOOL ADDITION

13. CLASSROOMS BEGINNING Y3

	Y3	Y4	Y5
ADDITIONAL REVENUE	0.0	0.0	0.0

CHANGE IN PROGRAM-INSTRUCTIONAL SUPPORT SER.

MANPOWER	Y3	Y4	Y5
PRINCIPALS	0.0	0.0	0.0
INSTRUCTIONAL SPECIALISTS	1.00	1.00	1.00
CLERICAL PERSONNEL	0.0	0.0	0.0

COSTS	Y3	Y4	Y5
SALARY	8800.00	9416.00	10075.11
NON-SALARY	0.0	0.0	0.0
MATLS.,SUPPS.,LIB.BKS.	5000.00	0.0	0.0
CAPITAL OUTLAY	0.0	0.0	0.0
TOTAL ABOVE	13800.00	9416.00	10075.11

CHANGE IN PROGRAM-FACILITIES

MANPOWER	Y3	Y4	Y5
OPERATIONS PERSONNEL	2.00	2.00	2.00
MAINTENANCE PERSONNEL	0.0	0.0	0.0

COSTS	Y3	Y4	Y5
SALARY	5000.00	5350.00	5724.49
NON-SALARY	4100.00	4223.00	4349.68
CAPITAL OUTLAY	0.0	0.0	0.0
DEBT SERVICE	0.0	0.0	0.0
TOTAL ABOVE	9100.00	9572.99	10074.17

INDICATOR CHANGES

	Y3	Y4	Y5
SECONDARY COURSE OFFERINGS	3.00	3.00	3.00
PROF. STAFF TURNOVER (PCT.)	0.0	0.0	0.0
PROF. STAFF MA OR MORE (PCT.)	0.0	0.0	0.0
PCT. GRAD. CLASS ATTEND PHSE	0.0	0.0	0.0
DROPOUTS PCT. ENROLLMENT	0.0	-0.20	-0.20
LANGUAGE ACHIEVEMENT	0.0	0.16	0.16
MATHEMATICS ACHIEVEMENT	0.0	0.12	0.12

Page 27 - Alternative Case 1 (Includes Operations Project Alternative 1)

With one Operations Project Alternative and one Capital Improvement Project Alternative three possible alternative sets may be formed: (1) the Operations Project Alternative and not the Capital Improvement Project Alternative, (2) the Capital Improvement Project Alternative and not the Operations Project Alternative, and (3) both the Operations Project Alternative and the Capital Improvement Project Alternative. Only one alternative set is exhibited in this computer print-out. Page 27 shows that the Alternative Set includes Operations Project Alternative 1.

Page 28 - Alternative Case 1 (Includes Capital Improvement Project Alternative 1)

Page 28 shows that the Alternative Set includes Capital Improvement Project Alternative 1.

Page 29 - Alternative Case 1 Program Costs

The program costs are the Final Base Case costs plus the costs shown for the Operations Project Alternative and the Capital Improvement Project Alternative shown on pages 25 and 26. Fixed charges salary costs are also incurred for the Operations Project Alternative and the Capital Improvement Project Alternative salary.

Page 30 - Alternative Case 1 Manpower

The manpower positions are the Final Base Case manpower positions plus the manpower changes shown for the Operations Project Alternative and Capital Improvement Project Alternative on pages 25 and 26. Hires reflect position changes and turnover.

INCLUDES

OPERATIONS PROJECT ALTERNATIVE NUMBER 1 READING IMPROVEMENT

INCLUDES

CAPITAL IMPROVEMENT PROJECT ALTERNATIVE NUMBER 1 LITTLE ORANGE SCHOOL ADDITION

PROGRAM COSTS

		CY	Y1	Y2	Y3	Y4	Y5
POLICY AND EXECUTIVE	S	33170.00	35491.89	37976.28	40634.59	43478.97	46522.48
	NS	0.0	0.0	0.0	0.0	0.0	0.0
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	33170.00	35491.89	37976.28	40634.59	43478.97	46522.48
COMPREHENSIVE PLANNING	S	43360.00	46395.18	49642.79	53117.75	56835.94	60814.43
	NS	0.0	0.0	0.0	0.0	0.0	0.0
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	43360.00	46395.18	49642.79	53117.75	56835.94	60814.43
INFORMATION AND LIAISON	S	26140.00	27969.79	29927.64	32022.55	34264.10	36662.57
	NS	0.0	0.0	0.0	0.0	0.0	0.0
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	26140.00	27969.79	29927.64	32022.55	34264.10	36662.57
COMMUNITY SERVICES	S	55583.00	59473.79	63636.89	68091.37	72857.75	77957.75
	NS	11920.00	12277.59	12645.91	13025.28	13416.02	13818.50
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	67503.00	71751.37	76282.75	81116.62	86273.75	91776.25
COORDINATE SUPPORT SERVICES	S	68080.00	72845.56	77944.62	83400.75	89238.69	95485.37
	NS	92049.00	94810.44	97654.62	100584.19	103601.62	106709.62
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	160129.00	167656.00	175599.25	183984.94	192840.31	202195.00
EARLY CHILDHOOD INSTRUCTION	S	235946.00	277505.19	285612.50	294585.69	312939.31	324238.37
	NS	20633.00	24204.14	25339.58	26200.12	27503.07	28690.26
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	256579.00	301709.31	310952.06	320785.75	340442.37	352928.62
ELEMENTARY INSTRUCTION	S	2094176.00	2363870.00	2515063.00	2672185.00	2843028.00	3028232.00
	NS	136125.00	150173.81	159009.37	168141.37	177652.75	187662.12
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	2230301.00	2514043.00	2674072.00	2840326.00	3020680.00	3215894.00
SECONDARY INSTRUCTION	S	2642023.00	2942491.00	3188939.00	3467176.00	3779790.00	4111755.00
	NS	182729.00	198334.06	215024.37	233438.19	252728.37	272857.87
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	2824752.00	3140825.00	3403963.00	3700614.00	4032518.00	4384612.00
VOC.-TECH. INSTRUCTION	S	0.0	0.0	0.0	0.0	0.0	0.0
	NS	112526.00	122191.62	132628.06	143990.87	155916.19	168427.44
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	112626.00	122191.62	132628.06	143990.87	155916.19	168427.44
SPECIAL INSTRUCTION	S	134060.00	187664.81	201524.75	208871.19	225439.69	243735.75
	NS	7175.00	7858.79	8434.56	9037.80	9669.65	10331.28
	CO	0.0	13000.00	0.0	0.0	0.0	0.0
	T	141235.00	208523.56	209959.31	217908.94	235109.31	254067.00
CONTINUING INSTRUCTION	S	0.0	0.0	0.0	0.0	0.0	0.0
	NS	1850.00	1905.50	1962.66	2021.54	2082.19	2144.65
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	1850.00	1905.50	1962.66	2021.54	2082.19	2144.65
INSTRUCTIONAL SUPPORT SER.	S	1593407.00	1790245.00	1915557.00	2058447.00	2202534.00	2356712.00
	NS	238765.00	269835.19	283657.62	308661.94	324963.81	347671.37

	CO	85390.00	97390.00	85390.00	85390.00	85390.00	85390.00
	T	1917562.00	2157470.00	2284604.00	2452498.00	2612887.00	2789173.00
NURSING	S	161655.00	172970.75	185078.50	198033.87	211896.06	226728.69
	NS	0.0	0.0	0.0	0.0	0.0	0.0
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	161655.00	172970.75	185078.50	198033.87	211896.06	226728.69
MEDICAL	S	9670.00	11023.72	12261.58	13634.09	15146.23	16798.87
	NS	7184.00	7878.15	8441.77	9043.87	9678.94	10341.17
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	16854.00	18901.87	20703.35	22677.96	24825.17	27140.04
DENTAL	S	3250.00	3704.97	4121.00	4582.29	5090.51	5645.95
	NS	348.00	381.63	408.93	438.09	468.86	500.94
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	3598.00	4086.60	4529.93	5020.39	5559.37	6146.88
PSYCHOLOGICAL	S	2000.00	14640.00	15664.79	16761.30	17934.59	19189.99
	NS	0.0	5000.00	5150.00	5304.49	5463.62	5627.52
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	2000.00	19640.00	20814.79	22065.80	23398.21	24817.52
HEALTH SUPPORT SERVICES	S	3034.00	3246.38	3473.62	3716.77	3976.94	4255.32
	NS	8362.00	8612.86	8871.23	9137.36	9411.47	9693.82
	CO	1267.00	1267.00	1267.00	1267.00	1267.00	1267.00
	T	12663.00	13126.23	13611.86	14121.13	14655.41	15216.14
GENERAL SERVICES	S	92459.00	98931.06	105856.12	113266.00	121194.50	129678.06
	NS	20110.00	20713.29	21334.67	21974.70	22633.91	23312.92
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	112569.00	119644.31	127190.75	135240.69	143828.37	152990.94
PUPIL TRANSPORTATION	S	327513.00	350438.44	374968.81	408133.87	458908.00	506871.25
	NS	127878.00	131714.25	135665.56	142230.69	154207.87	164128.50
	CO	750.00	750.00	750.00	8750.00	24750.00	16750.00
	T	456141.00	482902.69	511384.37	559114.56	637865.87	687749.75
FOOD SERVICES	S	0.0	0.0	0.0	0.0	0.0	0.0
	NS	37400.00	41013.72	43947.96	47082.51	50388.68	53836.29
	CO	8077.00	8077.00	8077.00	8077.00	8077.00	8077.00
	T	45477.00	49090.72	52024.96	55159.51	58465.68	61913.29
FACILITIES	S	711992.00	774481.19	828693.75	891701.81	954120.00	1020907.94
	NS	497874.00	525290.06	540028.06	559308.50	575067.25	591299.12
	CO	32834.00	32834.00	32834.00	32834.00	32834.00	32834.00
	T	1242700.00	1332605.00	1401555.00	1483844.00	1562021.00	1645041.00
FIXED CHARGES	S	632710.00	708982.12	759803.00	815972.12	878868.56	945077.31
	NS	54247.00	54247.00	54247.00	54247.00	54247.00	54247.00
	CO	0.0	0.0	0.0	0.0	0.0	0.0
	T	686957.00	763229.12	814050.00	870219.12	933115.56	999324.31
BUSINESS SUPPORT SERVICES	S	51310.00	54901.68	58744.73	62856.82	67256.69	71964.62
	NS	39375.00	40556.24	41772.89	43026.04	44316.77	45646.27
	CO	10847.00	10847.00	10847.00	10847.00	10847.00	10847.00
	T	101532.00	106304.87	111364.56	116729.81	122420.44	128457.87
TOTAL ABOVE	S	8921538.00	9997266.00	10714484.00	11507185.00	12394793.00	13329226.00
	NS	1596650.00	1716397.00	1796222.00	1896892.00	1993411.00	2096342.00
	CO	139165.00	164165.00	139165.00	147165.00	163165.00	155165.00
	T	10657353.00	11878426.00	12649870.00	13551240.00	14551374.00	15580737.00

DEBT SERVICE	1639464.00	1639464.00	1639464.00	1639464.00	1639464.00	1639464.00
TOTAL COST	12296817.00	13517890.00	14289334.00	15190704.00	16190838.00	17220192.00

MANPOWER (FULL-TIME EQUIVALENTS)

		CY	Y1	Y2	Y3	Y4	Y5
PROFESSIONAL ADMINISTRATION	P	9.00	9.00	9.00	9.00	9.00	9.00
TURNOVER RATE 2.0	H	0.18	0.18	0.18	0.18	0.18	
PRINCIPALS	P	25.00	25.00	25.00	25.00	25.00	25.00
TURNOVER RATE 5.0	H	1.25	1.25	1.25	1.25	1.25	
TEACHERS - EARLY CHILDHOOD	P	24.00	28.00	28.00	28.00	29.00	29.00
SEE INDICATOR 7	H	7.36	3.92	3.92	4.92	4.06	
TEACHERS - ELEMENTARY	P	239.00	257.00	265.00	272.00	279.00	286.00
SEE INDICATOR 7	H	51.46	43.98	44.10	45.08	46.06	
TEACHERS - SECONDARY	P	307.00	324.00	341.00	359.00	378.00	396.00
SEE INDICATOR 7	H	59.98	62.36	65.74	69.26	70.92	
TEACHERS - VOC.-TECH.	P	0.0	0.0	0.0	0.0	0.0	0.0
SEE INDICATOR 7	H	0.0	0.0	0.0	0.0	0.0	
TEACHERS - SPECIAL	P	13.00	18.00	19.00	19.00	20.00	21.00
SEE INDICATOR 7	H	6.82	3.52	2.66	3.66	3.80	
TEACHERS - CONTINUING	P	0.0	0.0	0.0	0.0	0.0	0.0
SEE INDICATOR 7	H	0.0	0.0	0.0	0.0	0.0	
INSTRUCTIONAL SPECIALISTS	P	104.00	113.00	113.00	114.00	114.00	114.00
TURNOVER RATE 2.0	H	11.08	2.26	3.26	2.28	2.28	
NURSES	P	18.00	18.00	18.00	18.00	18.00	18.00
TURNOVER RATE 2.0	H	0.36	0.36	0.36	0.36	0.36	
PSYCHOLOGISTS	P	0.0	1.00	1.00	1.00	1.00	1.00
TURNOVER RATE 2.0	H	1.00	0.02	0.02	0.02	0.02	
CLERICAL PERSONNEL	P	75.00	79.00	79.00	79.00	79.00	79.00
TURNOVER RATE 20.0	H	19.00	15.80	15.80	15.80	15.80	
OPERATIONS PERSONNEL	P	134.00	138.50	138.50	140.50	140.50	140.50
TURNOVER RATE 2.0	H	7.18	2.77	4.77	2.81	2.81	
MAINTENANCE PERSONNEL	P	21.00	21.00	21.00	21.00	21.00	21.00
TURNOVER RATE 2.0	H	0.42	0.42	0.42	0.42	0.42	
BUS DRIVERS	P	58.00	58.00	58.00	59.00	62.00	64.00
TURNOVER RATE 15.0	H	8.70	8.70	9.70	11.85	11.30	
FOOD SERVICE PERSONNEL	P	0.0	0.0	0.0	0.0	0.0	0.0
TURNOVER RATE 2.0	H	0.0	0.0	0.0	0.0	0.0	
ADMINISTRATIVE STAFF	P	7.00	7.00	7.00	7.00	7.00	7.00
TURNOVER RATE 2.0	H	0.14	0.14	0.14	0.14	0.14	
TOTAL POSITIONS		1034.00	1096.50	1122.50	1151.50	1182.50	1210.50
TOTAL HIRES		174.53	145.68	152.32	158.03	159.40	

Page 31 - Alternative Case 1 Indicators

The following indicators are calculated as discussed on page 5: Excess Enrollment; Teachers per 1000 Weighted Pupils; Instructional Specialists, Nurses, and Psychologists per 1000 Weighted Pupils; Materials, Supplies, and Library Books per Weighted Pupil; and Net Expenditure per Weighted Pupil.

For Secondary Course Offerings, Professional Staff Turnover, Professional Staff with an MA or More, Percent of Graduating Class Attending Post High School Education, Dropouts as a Percentage of Enrollment, Language Achievement, and Mathematics Achievement, the indicator levels were derived by adding the changes in indicators of the Operations Project Alternative and the Capital Improvement Project Alternative to the Final Base Case indicator levels.

Classrooms are the Final Base Case classrooms plus the classrooms of the Capital Improvement Project Alternative. Expenditures for materials, supplies, and library books are the Final Base Case expenditures plus the expenditures for the materials, supplies, and library books of the Operation Project Alternative and the Capital Improvement Project Alternative.

INDICATORS

	CY	Y1	Y2	Y3	Y4	Y5
EXCESS ENROLLMENT	1601.70	1434.29	1961.47	2178.49	2728.44	3274.42
TEACHERS/1000 WGT. PUPILS	44.09	44.50	44.59	44.55	44.68	44.69
SECONDARY COURSE OFFERINGS	167.00	167.00	167.00	170.00	170.00	170.00
INST.SPEC.,NURS.,PSYCH./1000 WGT. PUPILS	9.23	9.37	9.01	8.74	8.42	8.12
MATLS.,SUPPS.,LIB.BKS./WGT. PUPIL	8.39	9.17	9.36	10.51	11.47	13.26
NET EXPEND./WGT. PUPIL	863.22	891.40	905.51	925.32	949.03	972.92
PROF. STAFF TURNOVER (PCT.)	14.00	14.00	14.00	14.00	14.00	14.00
PROF. STAFF MA OR MORE (PCT.)	19.00	19.50	19.50	19.50	19.50	19.50
PCT. GRAD. CLASS ATTEND PHSE	67.10	67.10	67.10	67.10	67.10	67.10
DROPOUTS PCT. ENROLLMENT	1.20	1.20	1.20	1.20	1.00	1.00
LANGUAGE ACHIEVEMENT	1.76	1.92	1.92	1.92	2.08	2.08
MATHEMATICS ACHIEVEMENT	1.35	1.47	1.47	1.47	1.59	1.59

SUBSIDIARY DATA

CLASSROOMS	442.00	482.00	482.00	495.00	495.00	495.00
MATLS.,SUPPS.,LIB.BKS.	118381.00	137819.44	146370.25	170930.50	193721.06	232386.25

Page 32 - Alternative Case 1 Indicator Gaps

CY-Y5 desired indicator levels are entered for each of the twelve indicators. The indicator levels on page 31 are subtracted from the desired indicator levels to obtain the indicator gaps.

Page 33 - Alternative Case 1 Revenue Feasibility

The Total Revenue at CY Real Estate Tax Rate is the Final Base Case figures plus the Additional Revenue of the Capital Improvement Project Alternative. The calculations of the Y1-Y5 Real Estate Tax Rates and other data are done as explained in the discussion of page 24.

INDICATOR GAPS

		CY	Y1	Y2	Y3	Y4	Y5
EXCESS ENROLLMENT	D	700.00	700.00	700.00	700.00	700.00	700.00
	A	1601.70	1434.29	1961.47	2178.49	2728.44	3274.42
	G	-901.70	-734.29	-1261.47	-1478.49	-2028.44	-2574.42
TEACHERS/1000 WGT. PUPILS	D	50.00	50.00	50.00	50.00	50.00	50.00
	A	44.09	44.50	44.59	44.55	44.68	44.69
	G	5.91	5.50	5.41	5.45	5.32	5.31
SECONDARY COURSE OFFERINGS	D	180.00	180.00	180.00	180.00	180.00	180.00
	A	167.00	167.00	167.00	170.00	170.00	170.00
	G	13.00	13.00	13.00	10.00	10.00	10.00
INST.SPEC.,NURS.,PSYCH./1000 WGT. PUPILS	D	10.00	10.00	10.00	10.00	10.00	10.00
	A	9.23	9.37	9.01	8.74	8.42	8.12
	G	0.77	0.63	0.99	1.26	1.58	1.88
MATLS.,SUPPS.,LIB.BKS./WGT. PUPIL	D	12.00	12.00	12.00	12.00	12.00	12.00
	A	8.39	9.17	9.36	10.51	11.47	13.26
	G	3.61	2.83	2.64	1.49	0.53	-1.26
NET EXPEND./WGT. PUPIL	D	900.00	900.00	900.00	900.00	900.00	900.00
	A	863.22	891.40	905.51	925.32	949.03	972.92
	G	36.78	8.60	-5.51	-25.32	-49.03	-72.92
PROF. STAFF TURNOVER (PCT.)	D	10.00	10.00	10.00	10.00	10.00	10.00
	A	14.00	14.00	14.00	14.00	14.00	14.00
	G	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00
PROF. STAFF MA OR MORE (PCT.)	D	30.00	30.00	30.00	30.00	30.00	30.00
	A	19.00	19.50	19.50	19.50	19.50	19.50
	G	11.00	10.50	10.50	10.50	10.50	10.50
PCT. GRAD. CLASS ATTEND PHSE	D	70.00	70.00	70.00	70.00	70.00	70.00
	A	67.10	67.10	67.10	67.10	67.10	67.10
	G	2.90	2.90	2.90	2.90	2.90	2.90
DROPOUTS PCT. ENROLLMENT	D	1.00	1.00	1.00	1.00	1.00	1.00
	A	1.20	1.20	1.20	1.20	1.00	1.00
	G	-0.20	-0.20	-0.20	-0.20	0.00	0.00
LANGUAGE ACHIEVEMENT	D	2.00	2.00	2.00	2.00	2.00	2.00
	A	1.76	1.92	1.92	1.92	2.08	2.08
	G	0.24	0.08	0.08	0.08	-0.08	-0.08
MATHEMATICS ACHIEVEMENT	D	1.75	1.75	1.75	1.75	1.75	1.75
	A	1.35	1.47	1.47	1.47	1.59	1.59
	G	0.40	0.28	0.28	0.28	0.16	0.16

REVENUE FEASIBILITY

	Y1	Y2	Y3	Y4	Y5
TOTAL REVENUE AT CY REAL ESTATE TAX	13336338.00	13974209.00	14525797.00	15100706.00	15636957.00
SURPLUS FROM PRIOR YEAR	0.0	0.0	0.0	0.0	0.0
TOTAL COST	13517890.00	14289334.00	15190704.00	16190838.00	17220192.00
SURPLUS(+),DEFICIT(-) AT CY TAX RATE	-181552.00	-315125.00	-664907.00	-1090132.00	-1583235.00

	CY	Y1	Y2	Y3	Y4	Y5
REAL ESTATE TAX RATE (MILLS)	89.50	91.29	92.49	95.58	99.09	103.05
YEAR TO YEAR CHANGE		1.79	1.20	3.08	3.51	3.96

	Y1	Y2	Y3	Y4	Y5
TOTAL REVENUE AT Y1-Y5 R.E. TAX RATES	13517888.00	14289333.00	15190703.00	16190836.00	17220176.00
SURPLUS FROM PRIOR YEAR	0.0	0.0	0.0	0.0	0.0
TOTAL COST	13517890.00	14289334.00	15190704.00	16190838.00	17220192.00
SURPLUS AT Y1-Y5 R.E. TAX RATES	0.0	0.0	0.0	0.0	0.0

SUBSIDIARY DATA

		Y1	Y2	Y3	Y4	Y5
REVENUE/MILL		102199.87	106299.87	110499.87	114799.87	117999.94
COLLECT PERCENTAGE	99.00					
COLLECTED REVENUE/MILL		101177.81	105236.81	109394.81	113651.81	116819.87

In order to preserve the consistent placement of figures, tables, and charts in this manual, this page has been left blank.

Annotated List of Sample School District

Input Data Cards

The following eighteen pages contain the data input as shown on the "IBM General Purpose Card Punching Form" for the preceding "Sample School District Computer Print-out". Each line represents a punch card. The data is key punched from the form to data cards. The data is then read from the cards into the computer. Please note that behind each annotated page is a duplicate page which contains the same data as the preceding page without the annotation. This second page is provided to show you the exact location of the data on each line.

IBM GENERAL PURPOSE CARD PUNCHING FORM

JOB	VERSION II, MODEL I OF EPPBS - SCHOOL DISTRICT	
BY	JOHN BROWN	DATE 2/7/69

PUNCHING INSTRUCTIONS

WRITTEN AS:											
PUNCH AS:											

NOTES:

FIELD IDENTIFICATION

1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80
1 2 3 4 5 6 7 8 9 0	1 2 3 4 5 6 7 8 9 0	1 2 3 4 5 6 7 8 9 0	1 2 3 4 5 6 7 8 9 0	1 2 3 4 5 6 7 8 9 0	1 2 3 4 5 6 7 8 9 0	1 2 3 4 5 6 7 8 9 0	1 2 3 4 5 6 7 8 9 0

1	DING DONG SCHOOL DISTRICT FEB. 7, 1969																	
2	7.0	3.0	3.0															
3	442	118381	9901201															
4		1123	6036	5725	300	91	66											
5		1279	6465	6033	316	97	70											
6		1300	6646	6350	333	101	73											
7		1305	6823	6693	351	105	76											
8		1330	6999	7035	369	109	79											
9		1347	7178	7374	387	113	82											
10	9	25	24	239	307	0	13	0	104	18	0	75	134	21	58	0	7	
11	2	5							2	2	2	20	2	2	15	2	2	
12		33170																
13		43360																
14		26140																
15		55583	11920															
16		68080	92049															
17		235946	20633															
18		2094176	136125															
19		2642023	182729															
20			112626															

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IBM GENERAL PURPOSE CARD PUNCHING FORM

JOB VERSION II, MODEL I OF EPPBS - SCHOOL DISTRICT	
BY JOHN BROWN	DATE 2/7/69

PUNCHING INSTRUCTIONS

WRITTEN AS:												
PUNCH AS:												

NOTES:

FIELD IDENTIFICATION

1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80
1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890

School District Title and other computer run information

1 DING DONG SCHOOL DISTRICT FEB. 7, 1969

2 7.0 3.0 3.0 Inflation Percents

3 442 118381 9901201 CY Classrooms, CY Expenditures for Curriculum Materials, Supplies and Library Books, Attendance percent, 5 options

CY4		1123		6036		5725		300		91		66							
Y15		1279		6465		6033		316		97		70							
Y26	K	1300	1-6	6646	7-12	6350	V.-T.	333	Sp. 1-6	101	Sp. 7-12	73	Enrollment Forecast						
Y37		1305		6823		6693		351		105		76							
Y48		1330		6999		7035		369		109		79							
Y59		1347		7178		7374		387		113		82							
10	9	25	24	239	307	0	13	0	104	18	0	75	134	21	58	0	7	CY Manpower	
11	2	5							2	2	2	20	2	2	15	2	2	Non-teacher Turnover percent	

112	33170	← CY Salary Cost	
213	43360		By Program
314	26140		
415	55583	11920	← CY Non-Salary Cost
516	68080	92049	Capital Outlay Cost
617	235946	20633	CY Y1 Y2 Y3 Y4 Y5
718	2094176	136125	
819	2642023	182729	
920		112626	

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IBM GENERAL PURPOSE CARD PUNCHING FORM

JOB	VERSION II, MODEL I OF EPPBS - SCHOOL DISTRICT
BY JOHN BROWN	DATE 2/7/69

PUNCHING INSTRUCTIONS

WRITTEN AS:												
PUNCH AS:												

NOTES:

FIELD IDENTIFICATION

	1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80	
10	134060	7175							CY Salary Cost
11		1850							CY Non-Salary Cost
12	1593407	238765	85390	85390	85390	85390	85390	85390	Capital Outlay Cost (CY, Y1, Y2, Y3, Y4, Y5)
13	161655								
14	9670	7184							
15	3250	348							
16	2000								
17	3034	8362	1267	1267	1267	1267	1267	1267	
18	92459	20110							
19	327513	127878	750	750	750	750	750	750	
20		37400	8077	8077	8077	8077	8077	8077	
21	711992	497874	32834	32834	32834	32834	32834	32834	
22	632710	54247							
23	51310	39375	10847	10847	10847	10847	10847	10847	
24	1639464	1639464	1639464	1639464	1639464	1639464			CY - Y5 Debt Service (not including FBC Debt Service)
15	6600	34000	54247						Non-Salary Costs to be held constant for Programs 19, 21, 22
16									
3 17	167	167	167	167	167	167			CY-Y5 "Uncalculatable" Indicator Levels
7 18	14	14	14	14	14	14			
8 19	19	19	19	19	19	19			
9 20	67.1	67.1	67.1	67.1	67.1	67.1			

By Program

IBM GENERAL PURPOSE CARD PUNCHING FORM

JOB	VERSION II, MODEL I OF EPPBS - SCHOOL DISTRICT
BY JOHN BROWN	DATE 2/7/69

PUNCHING INSTRUCTIONS

WRITTEN AS:												
PUNCH AS:												

NOTES:

FIELD IDENTIFICATION

	1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80
1	134060	7175						
2		1850						
3	1593407	238765	85390	85390	85390	85390	85390	85390
4	161655							
5	9670	7184						
6	3250	348						
7	2000							
8	3034	8362	1267	1267	1267	1267	1267	1267
9	92459	20110						
10	327513	127878	750	750	750	750	750	750
11		37400	8077	8077	8077	8077	8077	8077
12	711992	497874	32834	32834	32834	32834	32834	32834
13	632710	54247						
14	51310	39375	10847	10847	10847	10847	10847	10847
15	1639464	1639464	1639464	1639464	1639464	1639464		
16	6600	34000	54247					
17	167	167	167	167	167	167		
18	14	14	14	14	14	14		
19	19	19	19	19	19	19		
20	67.1	67.1	67.1	67.1	67.1	67.1		

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IBM GENERAL PURPOSE CARD PUNCHING FORM

JOB	VERSION II, MODEL I OF EPPBS - SCHOOL DISTRICT
BY JOHN BROWN	DATE 2/7/69

PUNCHING INSTRUCTIONS

WRITTEN AS:												
PUNCH AS:												

NOTES:

FIELD IDENTIFICATION

	1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80	
1	1.2	1.2	1.2	1.2	1.2	1.2			CY-Y5 "Uncalculatable" Indicator Levels
2	1.76	1.76	1.76	1.76	1.76	1.76			
3	1.35	1.35	1.35	1.35	1.35	1.35			
4	700	700	700	700	700	700			
5	50	50	50	50	50	50			CY-Y5 Desired Indicator Levels
6	180	180	180	180	180	180			
7	10	10	10	10	10	10			
8	12	12	12	12	12	12			
9	900	900	900	900	900	900			
10	10	10	10	10	10	10			
11	30	30	30	30	30	30			
12	70	70	70	70	70	70			
13	1	1	1	1	1	1			
14	2.00	2.00	2.00	2.00	2.00	2.00			
15	1.75	1.75	1.75	1.75	1.75	1.75			
16	7000	7000	7000		7000				CY Entering Salary/Teacher by Instruction Program
17	5.0								Inflation Percent on Entering Salary/Teacher
18	8081	7200	7074		8476				CY Departing Salary/Teacher by Instruction Program
19	Riding Percent 78	56	CY Buses 66	Seats/Bus 3	Morning Trips/Day/Bus 8000	8000	Y1-Y5 8000	8000	Capital Outlay/Bus 8000
20	5								Number of FBC Operations or Capital Improvement Project

IBM GENERAL PURPOSE CARD PUNCHING FORM

JOB	VERSION II, MODEL I OF EPPBS - SCHOOL DISTRICT
BY JOHN BROWN	DATE 2/7/69

PUNCHING INSTRUCTIONS

WRITTEN AS:												
PUNCH AS:												

NOTES:

FIELD IDENTIFICATION

	1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80
1	1.2	1.2	1.2	1.2	1.2	1.2		
2	1.76	1.76	1.76	1.76	1.76	1.76		
3	1.35	1.35	1.35	1.35	1.35	1.35		
4	700	700	700	700	700	700		
5	50	50	50	50	50	50		
6	180	180	180	180	180	180		
7	10	10	10	10	10	10		
8	12	12	12	12	12	12		
9	900	900	900	900	900	900		
10	10	10	10	10	10	10		
11	30	30	30	30	30	30		
12	70	70	70	70	70	70		
13	1	1	1	1	1	1		
14	2.00	2.00	2.00	2.00	2.00	2.00		
15	1.75	1.75	1.75	1.75	1.75	1.75		
16	7000	7000	7000	7000				
17	5.0							
18	8081	7200	7074	8476				
19	78	56	66	3	8000	8000	8000	8000	8000
20	5							

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IBM GENERAL PURPOSE CARD PUNCHING FORM

JOB	VERSION II, MODEL I OF EPPBS - SCHOOL DISTRICT	
BY	JOHN BROWN	DATE 2/7/69

PUNCHING INSTRUCTIONS

WRITTEN AS:												
PUNCH AS:												

NOTES:

FIELD IDENTIFICATION

1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80
1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890

1 LITTLE RED SCHOOL ADDITION Title of Capital Improvement Project

2 1 8 Adds Eight Classrooms Beginning Y1

3 1 Changes One Program

4 2 1 1 Facilities Program Change Beginning Y1

5 .5 .5 .5 .5 .5 3600 Operations Personnel

6 Maintenance Personnel

7 1 Input First Year Non-Salary Cost and Inflate to Y5

8 2700 First Year Non-Salary Cost No Capital Outlays

9 No Debt Service

10 LITTLE BLUE SCHOOL ADDITION Title of Capital Improvement Project

11 1 7 Adds Seven Classrooms Beginning Y1

12 1 Changes One Program

13 2 1 1 Facilities Program Change Beginning Y1

14 .5 .5 .5 .5 .5 3600 Operations Personnel

15 Maintenance Personnel

16 1 Input First Year Non-Salary Cost and Inflate to Y5

17 2700 First Year Non-Salary Cost No Capital Outlays

18 No Debt Service

19 LITTLE GREEN SCHOOL ADDITION Title of Capital Improvement Project

20 1 13 Adds Thirteen Classrooms Beginning Y1

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IBM GENERAL PURPOSE CARD PUNCHING FORM

JOB	VERSION II, MODEL I OF EPPBS - SCHOOL DISTRICT	
BY	JOHN BROWN	DATE 2/7/69

PUNCHING INSTRUCTIONS

WRITTEN AS												
PUNCH AS												

NOTES:

FIELD IDENTIFICATION

1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80
1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890

```
1 LITTLE RED SCHOOL ADDITION
2 1       8
3 1
4 2 1   1
5         .5      .5      .5      .5      .5      3600
6
7 1
8       2700
9
10 LITTLE BLUE SCHOOL ADDITION
11 1       7
12 1
13 2 1   1
14        .5      .5      .5      .5      .5      3600
15
16 1
17      2700
18
19 LITTLE GREEN SCHOOL ADDITION
20 1       13
```

IBM GENERAL PURPOSE CARD PUNCHING FORM

JOB	VERSION II, MODEL I OF EPPBS - SCHOOL DISTRICT
BY JOHN BROWN	DATE 2/7/69

PUNCHING INSTRUCTIONS

WRITTEN AS:												
PUNCH AS:												

NOTES:

FIELD IDENTIFICATION

1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80
1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890

1 2 Changes Two Programs

2 / 2 / Instructional Support Services Program Change Beginning Y1

3 Principals

4 / / / / / 8800 Instructional Specialists

5 Clerical Personnel

6 / No Non-Salary Costs Other Than Curr. Mat'l., Supp's., Lib. Bks. No Capital Outlays

7

8 5000 Y1-Y5 Curr. Mat'ls., Supp's., Lib. Bks.

9 2 / / Facilities Program Change Beginning Y1

10 2 2 2 2 2 2500 Operations Personnel

11 Maintenance Personnel

12 / Input First Year Non-Salary Cost and Inflate to Y5

13 4100 First Year Non-Salary Cost No Capital Outlays

14 No Debt Service

15 LITTLE YELLOW SCHOOL ADDITION Title of Capital Improvement Project

16 / 12 Adds Twelve Classrooms Beginning Y1

17 / Changes One Program

18 2 / / Facilities Program Change Beginning Y1

19 1.5 1.5 1.5 1.5 1.5 2700 Operations Personnel

20 Maintenance Personnel

IBM GENERAL PURPOSE CARD PUNCHING FORM

JOB VERSION II, MODEL I OF EPPBS - SCHOOL DISTRICT	
BY JOHN BROWN	DATE 2/7/69

PUNCHING INSTRUCTIONS

WRITTEN AS:												
PUNCH AS:												

NOTES:

FIELD IDENTIFICATION

1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80
1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890

Card	1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80
1	2							
2	12	1						
3								
4		1	1	1	1	1	8800	
5								
6	1							
7								
8		5000						
9	21	1						
10		2	2	2	2	2	2500	
11								
12	1							
13		4100						
14								
15	LITTLE YELLOW SCHOOL ADDITION							
16	1	12						
17	1							
18	21	1						
19		1.5	1.5	1.5	1.5	1.5	2700	
20								

72

IBM GENERAL PURPOSE CARD PUNCHING FORM

JOB	VERSION II, MODEL I OF EPPBS - SCHOOL DISTRICT
BY JOHN BROWN	DATE 2/7/69

PUNCHING INSTRUCTIONS

WRITTEN AS:												
PUNCH AS:												

NOTES:

FIELD IDENTIFICATION

1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80
1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890

1 / Input First Year Non-Salary Cost and Inflate to Y5

2 4000 First Year Non-Salary Cost No Capital Outlays

3 No Debt Service

4 SPECIAL LEARNING LABORATORY Title of Operations Project

5 / 0 Adds No Classrooms

6 3 Changes Three Programs

7 / 0 / Special Instruction Program Change Beginning Y1

8 4 4 4 4 4 10000 Teachers-Special

9 /

10 13000 No Non-Salary Cost but $13,000 Capital Outlay in Y1

11 / 2 / Instructional Support Services Program Change Beginning Y1

12 Principals

13 5 5 5 5 5 8500 Instructional Specialists

14 4 4 4 4 4 4000 Clerical Personnel

15 /

16 No Non-Salary Costs No Capital Outlays

17

18 / 6 / Psychological Program Change Beginning Y1

19 1 1 1 1 1 12500 Psychologists

20 / Input First Year Non-Salary Cost and Inflate to Y5

73

IBM GENERAL PURPOSE CARD PUNCHING FORM

JOB	VERSION II, MODEL I OF EPPBS - SCHOOL DISTRICT
BY JOHN BROWN	DATE 2/7/69

PUNCHING INSTRUCTIONS

WRITTEN AS:												
PUNCH AS:												

NOTES:

FIELD IDENTIFICATION

1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80
1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890

```
1 1
2      4000
3
4SPECIAL LEARNING LABORATORY
5 1       0
6 3
7 1 0 1
8          4         4         4         4         4    10000
9 1
10                13000
11 1 2  1
12
13         5         5         5         5         5     8500
14         4         4         4         4         4     4000
15 1
16
17
18 1 6  1
19         1         1         1         1         1    12500
20 1
```

74

IBM GENERAL PURPOSE CARD PUNCHING FORM

JOB	VERSION II, MODEL I OF EPPBS - SCHOOL DISTRICT
BY JOHN BROWN	DATE 2/7/69

PUNCHING INSTRUCTIONS

WRITTEN AS:												
PUNCH AS:												

NOTES:

FIELD IDENTIFICATION

1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80
1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890

1 5000 First Year Non-Salary Cost No Capital Outlays

2 309696969322121212334848484347878787357575757 Y1 - Y5 District Real Property Mict - Value

3 .33 .33 .33 .33 .33 Y1 - Y5 Assessment Ratio

4 89.5 99 CY Real Estate Tax Rate in Mills, Collection Percent

5 -268366 -261286 -254206 -247126 -240006 Y1 - Y5 Adjustments to Gross Assessed Real Estate Tax

6 16275 16291 16307 16323 16339 Y1 - Y5 State Real Property Mict. Value/Pupil

7 550 550 550 550 550 Y1 - Y5 State Subsidy/Pupil

8 Y1 - Y5 Adjustments to State Share of District Foundation

9 1107648 1223739 1235935 1263135 1295335 Y1 - Y5 Revenue other than Real Estate Tax and Net Instructional Subsidy

10 1 Number of Operations Project Alternatives

11 READING IMPROVEMENT Title of Operations Project Alternative

12 2 Change Two Programs

13 7 1 Elementary Instruction Program Change Beginning Y1

14 1 1 1 1 1 10000 Teachers-Elementary

15 1 } No Non-Salary Costs No Capital Outlays

16

17 12 1 Instructional Support Services Program Change Beginning Y1

18 Principals

19 3 3 3 3 3 6000 Instructional Specialists

20 Clerical Personnel

Printed in U.S.A. X20-8030-03 UM/025

95

IBM GENERAL PURPOSE CARD PUNCHING FORM

JOB	VERSION II, MODEL I OF EPPBS - SCHOOL DISTRICT
BY	JOHN BROWN
DATE	2/7/69

PUNCHING INSTRUCTIONS

WRITTEN AS:												
PUNCH AS:												

NOTES:

FIELD IDENTIFICATION

1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80
1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890

```
     5000
309696969322121212334848484347878787357575757
  .33  .33  .33  .33  .33
 89.5   99
  -268366  -261286  -254206  -247126  -240006
 16275 16291 16307 16323 16339
 550 550 550 550 550

  1107648  1223739  1235935  1263135  1295335
 1
READING IMPROVEMENT
 2
 7 1
        1        1        1        1        1    10000
1

12 1

        3        3        3        3        3     6000
```

Printed in U.S.A. X20-8030-03 UM/025

76

IBM GENERAL PURPOSE CARD PUNCHING FORM

JOB	VERSION II, MODEL I OF EPPBS - SCHOOL DISTRICT
BY JOHN BROWN	DATE 2/7/69

PUNCHING INSTRUCTIONS

WRITTEN AS:												
PUNCH AS:												

NOTES:

FIELD IDENTIFICATION

1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80
1 /							
2	12000						
3	3000	3090	3083	3278	3376		
34							
75							
86	.5	.5	.5	.5	.5		
97							
108							
119	.16	.16	.16	.16	.16		
120	.12	.12	.12	.12	.12		

77

No Non-Salary Cost other than Curr. Mat'ls., Supp's., Lib. Bks.
But $12,000 Capital Outlay in Y1

Y1 - Y5 Curr. Mat'ls., Supp's., Lib. Bks.

Y1 - Y5 "Uncalculatable" Indicator Changes

11 1 Number of Capital Improvement Project Alternatives

12 LITTLE ORANGE SCHOOL ADDITION Title of Capital Improvement Project

13 3 13 Adds Thirteen Classrooms Beginning Y3

14 No Additional Revenue Y3 - Y5

15 2 Changes One Programs

16 1 2 3 Instructional Support Services Program Change Beginning Y3

17 Principals

18 1 1 1 8800 Instructional Specialists

19 Clerical Personnel

20 /

IBM GENERAL PURPOSE CARD PUNCHING FORM

JOB	VERSION II, MODEL I OF EPPBS - SCHOOL DISTRICT
BY JOHN BROWN	DATE 2/7/69

PUNCHING INSTRUCTIONS

WRITTEN AS:												
PUNCH AS:												

NOTES:

FIELD IDENTIFICATION

1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80
1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890

Card	1-10	11-20	21-30	31-40	41-50
1	1				
2		12000			
3	3000	3090	3083	3278	3376
4					
5					
6	.5	.5	.5	.5	.5
7					
8					
9	.16	.16	.16	.16	.16
10	.12	.12	.12	.12	.12
11	1				
12	LITTLE ORANGE SCHOOL ADDITION				
13	3	13			
14					
15	2				
16	12	3			
17					
18		1	1	1	8800
19					
20	1				

IBM GENERAL PURPOSE CARD PUNCHING FORM

JOB	VERSION II, MODEL I OF EPPBS - SCHOOL DISTRICT
BY JOHN BROWN	DATE 2/7/69

PUNCHING INSTRUCTIONS

WRITTEN AS:												
PUNCH AS:												

NOTES:

FIELD IDENTIFICATION

1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80
1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890

1 No Non-Salary Cost other than Curr. Mat'ls., Supp's., Lib. Bks. No Capital Outlays

2 5000 Y3 - Y5 Curr. Mat'ls., Supp's., Lib. Bks.

3 2 1 3 Facilities Program Change Beginning Y3

4 2 2 2 2500 Operations Personnel

5 Maintenance Personnel

6 / Input First Year (Y3) Non-Salary Cost and Inflate to Y5

7 4100 First Year (Y3) Non-Salary Cost No Capital Outlays

8 No Debt Service

9 3 3 3

10

11 Y3 - Y5 "Uncalculatable"

12 Indicator Changes

13 -.2 -.2

14 .16 .16

15 .12 .12

16 1 Number of Alternative Sets to be Formed

17 1 Alternative Set 1 Includes 1 Operations Project Alternative

18 1 It is Operations Project Alternative Number 1

19 1 Alternative Set 1 Includes 1 Capital Improvement Project Alternative

20 1 It is Capital Improvement Project Alternative Number 1

IBM GENERAL PURPOSE CARD PUNCHING FORM

JOB VERSION II, MODEL I OF EPPBS - SCHOOL DISTRICT	
BY JOHN BROWN	DATE 2/7/69

PUNCHING INSTRUCTIONS

WRITTEN AS:												
PUNCH AS:												

NOTES:

FIELD IDENTIFICATION

	1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80
1								
2	5000							
3	21 3							
4		2	2	2	2500			
5								
6	1							
7	4100							
8								
9		3	3	3				
10								
11								
12								
13			-.2	-.2				
14			.16	.16				
15			.12	.12				
16	1							
17	1							
18	1							
19	1							
20	1							

9B

Suggested Work Schedule for Preparation, Processing and Evaluation of Data

Table 1 has been prepared to assist, if desirable, in transferring the data from the computer print-outs to the forms and worksheets from the Education-Planning-Programming-Budgeting System Manual for School Districts, Version I, Model 2. The use of these forms and worksheets may be helpful in explaining the results of the EPPB System to the school board and citizens.

TABLE 1

Computer Print-Out Page Numbers and Related Forms and Worksheets

Print-Out Page	Forms and/or Worksheet
1. Enrollment Forecast	Form #2: Enrollment Forecast Analysis
2. Non-Salary Costs held Constant	None
3. Base Case - Program Costs	Form #5.1: Base Case - Program Summary Worksheet #5.1
4. Base Case - Manpower	Form #13: Manpower Requirements - Final Base Case (Listings on this form will be compressed because of fewer manpower types in the batch-process version.)
5. Base Case - Indicators	Form #6: Calculations and Projections of Indicators for Base Cases - Detail Worksheet #6.13

6.	Base Case - Indicator Gaps	Form #25: Calculations and Projections of Indicators - Detail (No form has been provided to record indicator gaps; however, Form #25 can be adapted for this purpose.)
7.	Adjusted Base Case - Subsidiary Data	Worksheets #7.1, #7.2 and #7.3 (Form #7: Adjusted Base Case - Program and Project Summary)
8.	Adjusted Base Case - Program Costs	Form #7.1: Program Summary Worksheet #7.4
9.	Adjusted Base Case - Manpower	Form #13: Manpower Requirements - Final Base Case
10.	Adjusted Base Case - Indicators	Form #6: Calculation and Projection of Indicators for Base Cases - Detail Worksheet #6.13
11.	Adjusted Base Case - Indicator Gaps	Form #25: Calculation and Projection of Indicators - Detail
12. to 16.	Final Base Case - Operations and Capital Improvement Projects	Form #10.1: Project - Detail Form #8: Capital Improvement Project Worksheet #8.3
17.	Final Base Case - Program Costs	Form #12.1: Final Base Case - Program Summary or Form #10: Program - Detail (A separate Form #10 will be required for each program.)
18.	Final Base Case - Manpower	Form #13: Manpower Requirements - Final Base Case
19.	Final Base Case - Indicators	Form #6: Calculation and Projection of Indicators for Base Cases - Detail Worksheet #6.13
20.	Final Base Case - Indicator Gaps	Form #25: Calculation and and Projection of Indicators - Detail

21. Final Base Case - Real Estate Tax Revenue Forecast	Worksheet #14.1: Real Estate Tax Projections (Form #14 Revenue Forecast)
22. Final Base Case - Basic Instructional Subsidy Revenue Forecast	Worksheet $14.4: Basic Instructional Subsidy (Form #14: Revenue Forecast)
23. Final Base Case - Total Revenue Forecast	Form #14: Revenue Forecast
24. Final Base Case - Revenue Feasibility	Form #15: Financial Feasibility - Final Base Case Worksheet #15.1
25. Operations Project Alternative(s)	Form #16: Operations Project Alternative - Proposed Worksheet #16.1 Form #25 - Calculation and Projection of Indicators - Detail Worksheet #25.13 Form #26: Manpower Requirements (Listings on this form will be compressed because of fewer manpower types in the batch-process version.)
26. Capital Improvement Project Alternative(s)	Form #16.1: Operations Project Alternative - Proposed Worksheet #16.1 Form #25: Calculation and Projection of Indicators - Detail Worksheet #25.13 Form #26: Manpower Requirements
27. and 28. Alternative Case	(More pages may be required for more operations and capital improvement projects.)
29. Alternative Case Program Costs	Form #23: Program - Detail (One Form #23 for each program.) Form #24.1: Program Summary Worksheet #24.1

30. Alternative Case - Manpower	Worksheet #19.2 (Form #19: Proposed Alternative Program and Project Set) Form #26: Manpower Requirements
31. Alternative Case - Indicators	Worksheet #19.1 (Form #19: Proposed Alternative Program and Project Set) Form #25: Calculation and Projection of Indicators - Detail Worksheet #25.13
32. Alternative Case - Indicator Gaps	Form #25: Calculation and Projection of Indicators - Detail
33. Alternative Case - Revenue Feasibility	Form #20: Financial Feasibility - Proposed Alternative Program and Project Set Worksheet #20.1

The work schedule contained in this section is illustrated in Chart 1 and has been prepared to assist in completing the EPPB System. The schedule was developed on the assumption that key top administrative officers of the school district have been thoroughly trained in the use of the manual version (EPPBS, Version I, Model 2) and the semi-automated batch-process version (EPPBS, Version II, Model 1).

August

1. The school district superintendent meets with his staff to discuss the work schedule for the coming EPPBS Cycle. The assignment of responsibilities for completing the various tasks is made at this time. Manuals, extra forms and worksheets are handed out.

2. Specialized training sessions are established for staff members who did not participate in previous training sessions and for clerks who will be assigned certain data gathering and analysis tasks.

3. Data files are examined and brought up-to-date. See Appendix C of the Education-Planning-Programming-Budgeting System Procedures Manual for School District, Version I, Model 2 for suggested files and file content.

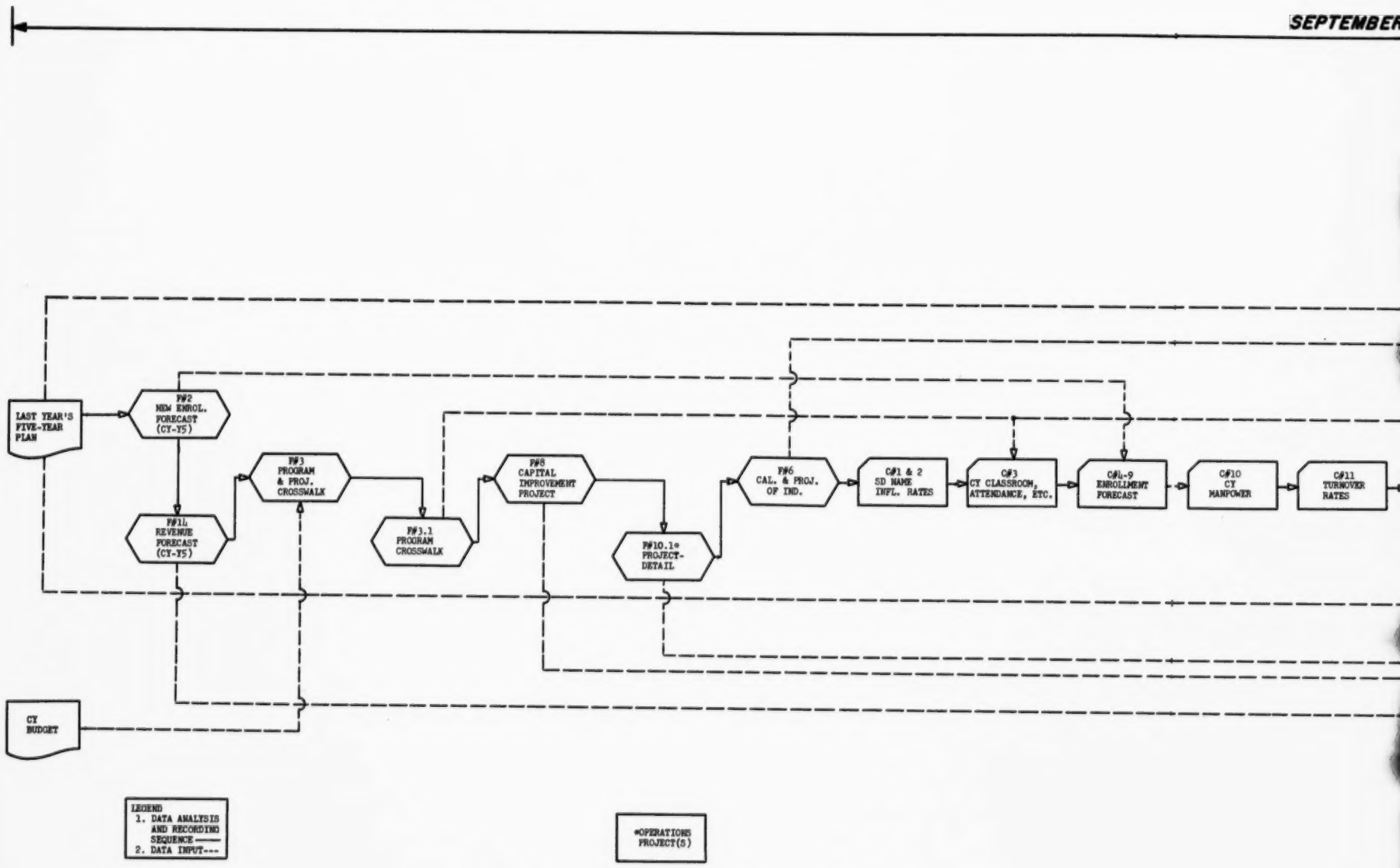
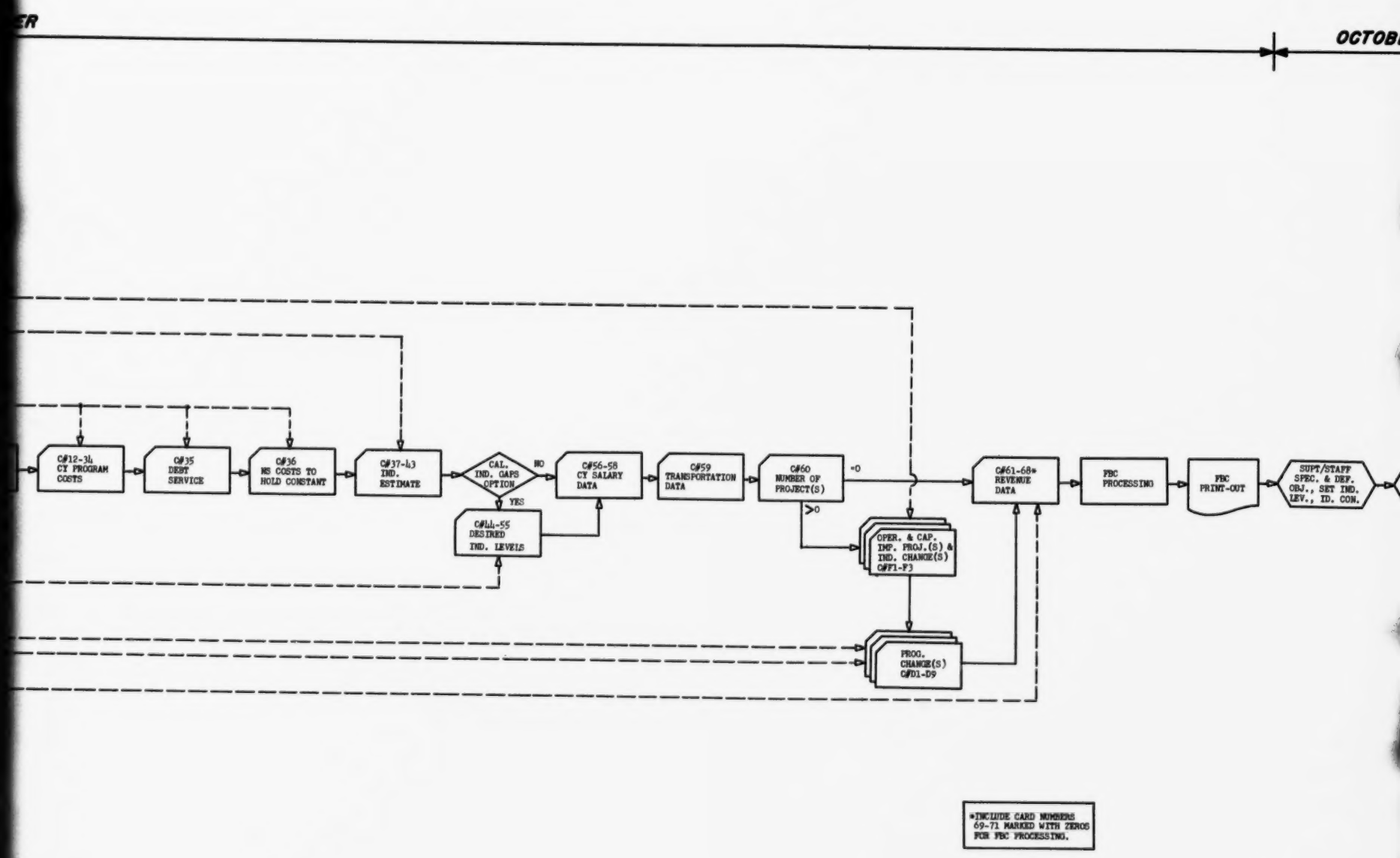

SEPTEMBER
LAST YEAR'S FIVE-YEAR PLAN
F#2 NEW ENROL. FORECAST (CY-Y5)
F#4 REVENUE FORECAST (CY-Y5)
F#3 PROGRAM & PROJ. CROSSWALK
F#3.1 PROGRAM CROSSWALK
F#8 CAPITAL IMPROVEMENT PROJECT
F#10.1* PROJECT-DETAIL
F#6 CAL. & PROJ. OF IND.
C#1 & 2 SD NAME INFL. RATES
C#3 CY CLASSROOM, ATTENDANCE, ETC.
C#4-9 ENROLLMENT FORECAST
C#10 CY MANPOWER
C#11 TURNOVER RATES
CY BUDGET
LEGEND
1. DATA ANALYSIS AND RECORDING SEQUENCE ——
2. DATA INPUT---
*OPERATIONS PROJECT(S)

CHART I

SUGGESTED WORK SCHEDULE FOR THE EDUCATION-PLANNING-PROGRAMMING-BUDGETING SYS

INPUT DATA GATHERING BY CARD IS SHOWN AND HOW IT RELATES TO THE PREDEFINED PRO

(EPPBS, VERSION I, MODEL 2) OVER A SEVEN MONTH PERIOD FOR ANN



*INCLUDE CARD NUMBERS 69-71 MARKED WITH ZEROS FOR FBC PROCESSING.

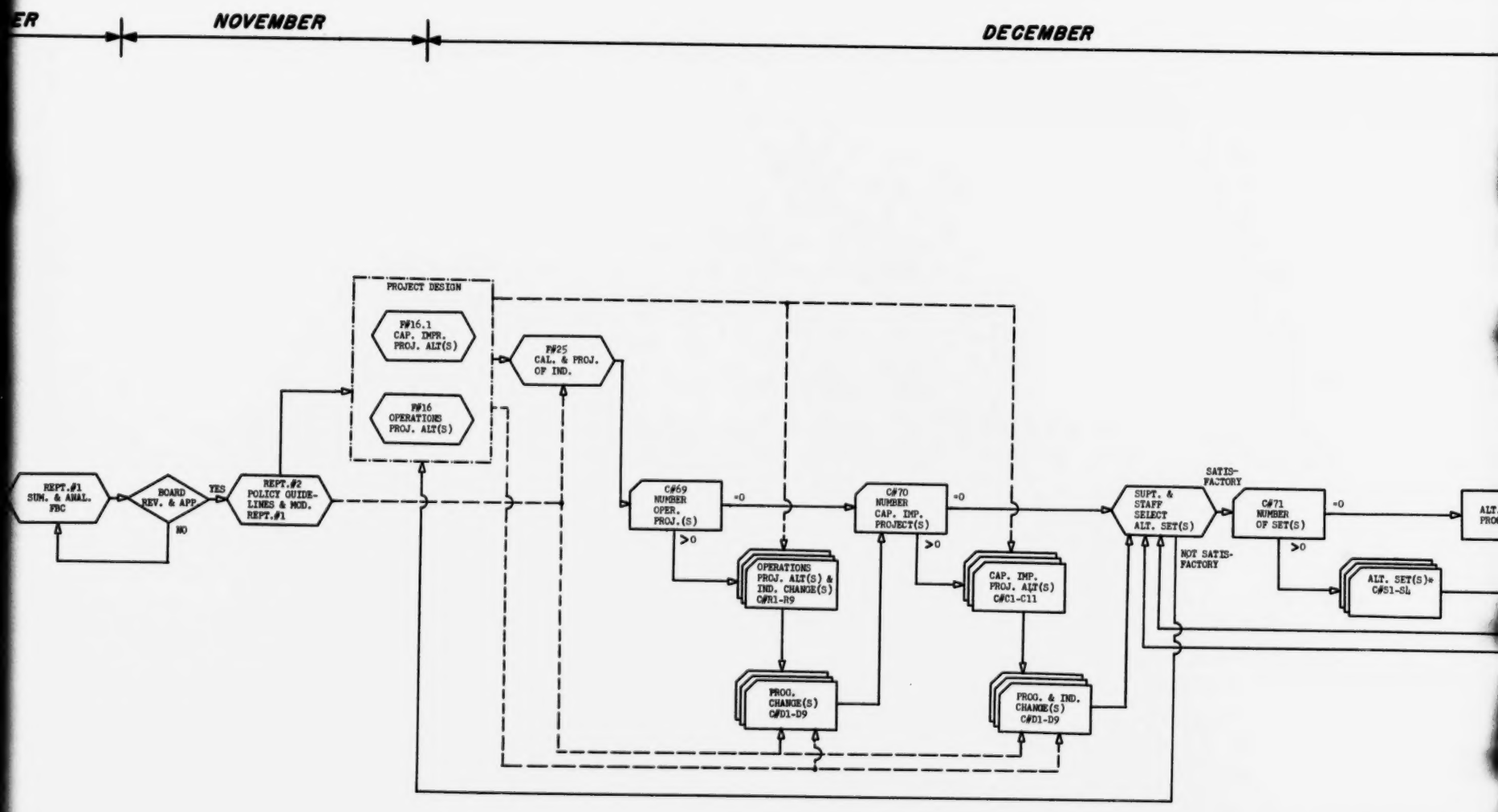
866

86c

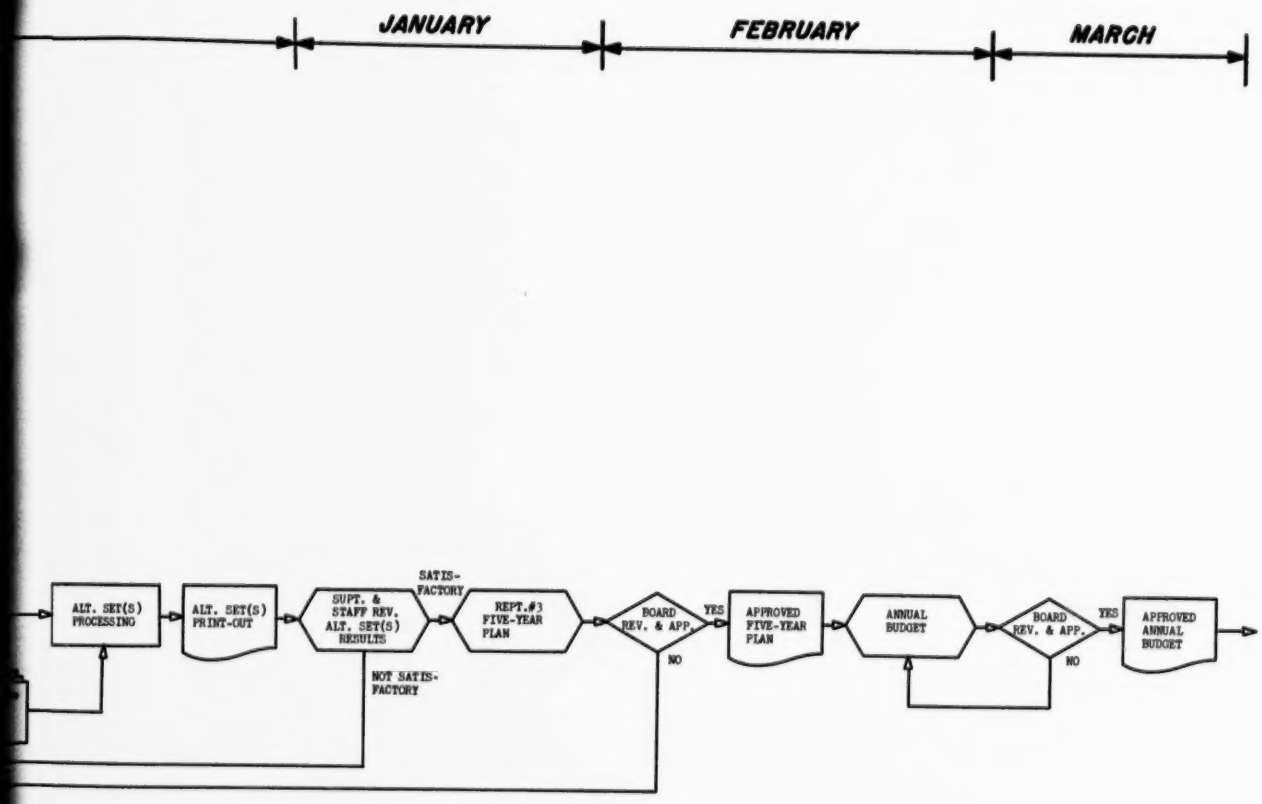
TEM, VERSION II, MODEL I - SCHOOL DISTRICT

CESSES OF THE MANUAL SYSTEM

NUAL CYCLING



*INCLUDE FBC CARDS, CARD NUMBERS 69-71, OPERATI
ALTERNATIVE CARD SET(S), PROGRAM CHANGE CARD S
OP. PROJ. ALTERNATIVE(S), CAPITAL IMPROVEMENT
ALTERNATIVE CARD SET(S), AND PROGRAM CHANGE CA
FOR CAP. IMP. PROJ. ALTERNATIVE(S) BEFORE PROC
ALTERNATIVE SET(S).



-71, OPERATIONS PROJECT
CHANGE CARD SET(S) FOR
INPROVEMENT PROJECT
RAM CHANGE CARD SET(S)
) BEFORE PROCESSING

CIG / 4-30-69
GOVERNMENT STUDIES CENTER
FELS INSTITUTE OF LOCAL & STATE GOVERNMENT
UNIVERSITY OF PENNSYLVANIA
USOE CONTRACT #67-4280

86e

September

1. The following forms and cards are completed during this period:

   a. Form #2: New Enrollment Forecast

   b. Form #3: Program and Project Crosswalk

   c. Form #3.1: Program Crosswalk

   d. Form #6: Calculations and Projections of Indicators for Base Cases - Detail

   e. Form #8: Capital Improvement Project

   f. Form #10.1: Project - Detail

   g. Form #14: Revenue Forecast

   h. Card Numbers 1 through 71, Operations Project Card Set(s), Capital Improvement Project Card Set(s), and Program Change Card Sets. (A set is required for each operations and capital improvement project.)

2. The following forms may also be completed, because they can be used in Report #3:

   a. Form #10: Program - Detail

   b. Form #11: Program - Review

   c. Form #11.1: Project - Review

3. The Final Base Case data will be processed and a print-out produced for inspection by the superintendent and his staff. If the results are not satisfactory, the data can be modified and run again. This portion of the EPPBS Cycle will be completed when a satisfactory run has been achieved.

Early to Mid-October

1. The school district superintendent and staff specify and define the objectives of the school district. These objectives should be based on the problems revealed in the analysis and summarization of the Final Base Case. The setting of desired indicator levels will be based on the same information and data. If desired levels have been set previously, these levels should be re-examined.

2. Constraints are identified during this period.

3. The first step should be taken to identify feasible solutions or courses of action to resolve the problems identified in the analysis and summarization of the Final Base Case.

4. Development of the format of Report #1: Analysis and Summarization of the Final Base Case concludes this work period.

Mid to Late-October

1. Report #1: Analysis and Summarization of the Final Base Case is prepared for presentation to the school district board of school directors.

2. It may be desirable at this point to translate the data from the computer print-out to the forms in the Education-Planning-Programming-Budgeting System Procedures Manual, Version I, Model 2 for School Districts. Table 1 has been prepared to assist you in this task.

Early to Mid-November

1. Report #1 should be presented to the board of school directors for review and approval. The report provides an excellent analysis of the status of the school district and the implications of its present level of effort for the next five years.

2. Report #2: Policy Guidelines is prepared by the school district superintendent, following the approval of Report #1, and should be disseminated among the board members and staff of the school district.

Mid-November to Late-December

1. The design of Operations and Capital Improvement project alternatives, development of alternative program and project sets, and completion of revenue estimates should be accomplished during this period. The selection of alternative program and project sets may necessitate the redesign of projects or the design of new projects.

2. The following forms and cards should be completed during this period:

   a. Form #16: Operations Project Alternative - Proposed

   b. Form #16.1: Capital Improvement Project Alternative - Proposed

   c. Form #25: Calculation and Projection of Indicators - Detail

   d. Card numbers 1 through 68 should be modified, where necessary, if changes have occurred in Report #1 as a result of board deliberations.

   e. Card numbers 69 through 71, Operations Project Alternative Card Set(s), Program Change Card Set(s) for Operations Project Alternative(s), Capital Improvement Project Alternatives Card Set(s), Program Change Card Set(s) for Capital Improvement Project Alternative(s), and Alternative Card Set(s) for various combinations or Alternative Sets of Operations and Capital Improvement Projects.

   f. The Final Base Case set of cards (card numbers 1 through 71) must be run with cards numbers 69 through 71 and the alternative sets of Operations and Capital Improvement Projects.

3. Selected alternative sets will be run during this period and computer print-outs will be produced.

Early January to Mid-January

1. Examination of all feasible Program and Project Sets and the selection of the "preferred" set takes place during this period.

2. It may be necessary to form several new sets and run these sets. This part of the cycle is completed when a "preferred" set of programs and projects is selected.

Mid to Late-January

1. The preparation of the school district's Report #3: Five-Year Plan is completed during this period.

2. It may be desirable to use the forms from the manual version in preparing and presenting Report #3. If this is desirable, refer to Table 1 for information on the forms that are keyed to the computer print-out.

Early to Mid-February

1. Review and approval of Report #3 should take place during this period. Copies of this report should be disseminated among the board and staff.

2. The board may ask for the formation and processing of several new program and project sets. This portion of the cycle will be completed when the board has accepted a preferred set of programs and projects.

Mid to Late-February

1. The annual budget is prepared.

2. The annual budget is reproduced for the board.

Early to Mid-March

1. The school district's annual budget should be approved during this period; however, the delay of budget approval will not affect the general timing of the EPPBS Cycle.

2. If changes occur in the annual budget that have a serious impact on the Five-Year Plan, the plan should be modified to reflect these changes.

Instructions for Recording Input Data on Cards

See Chart 2 for the flow of the steps for completing the input data cards. Each card mentioned in Chart 1 is described in detail below.

Use the IBM General Purpose Card Punching Form (X20-8030-03UM/025), to record the data. A copy of this form may be found in Appendix A. Fill in the title of the program, Version II, Model 1 of EPPBS - School District. Record your name and the date the data was entered on the form. Fill in the page number and the total number of pages. Refer to the "Annotated List of Sample School District Input Data Cards" Section before filling out this form.

Right-justify all entries on the cards. If a number 12769 is to be recorded in a set of 8 columns, make sure the last digit (9) appears in the last column: record 12769 in _ _ _ _ _ _ _ _ as _ _ _ 1 2 7 6 9. (Each dash represents a cell on the form.) If you wish to record the number elsewhere in the set of 8 columns, you must use a decimal point - 12769 may be recorded in _ _ _ _ _ _ _ _ as _ 1 2 7 6 9 . _ . If the decimal had been left off in the above example, 1276900 would have been recorded instead of 12769.

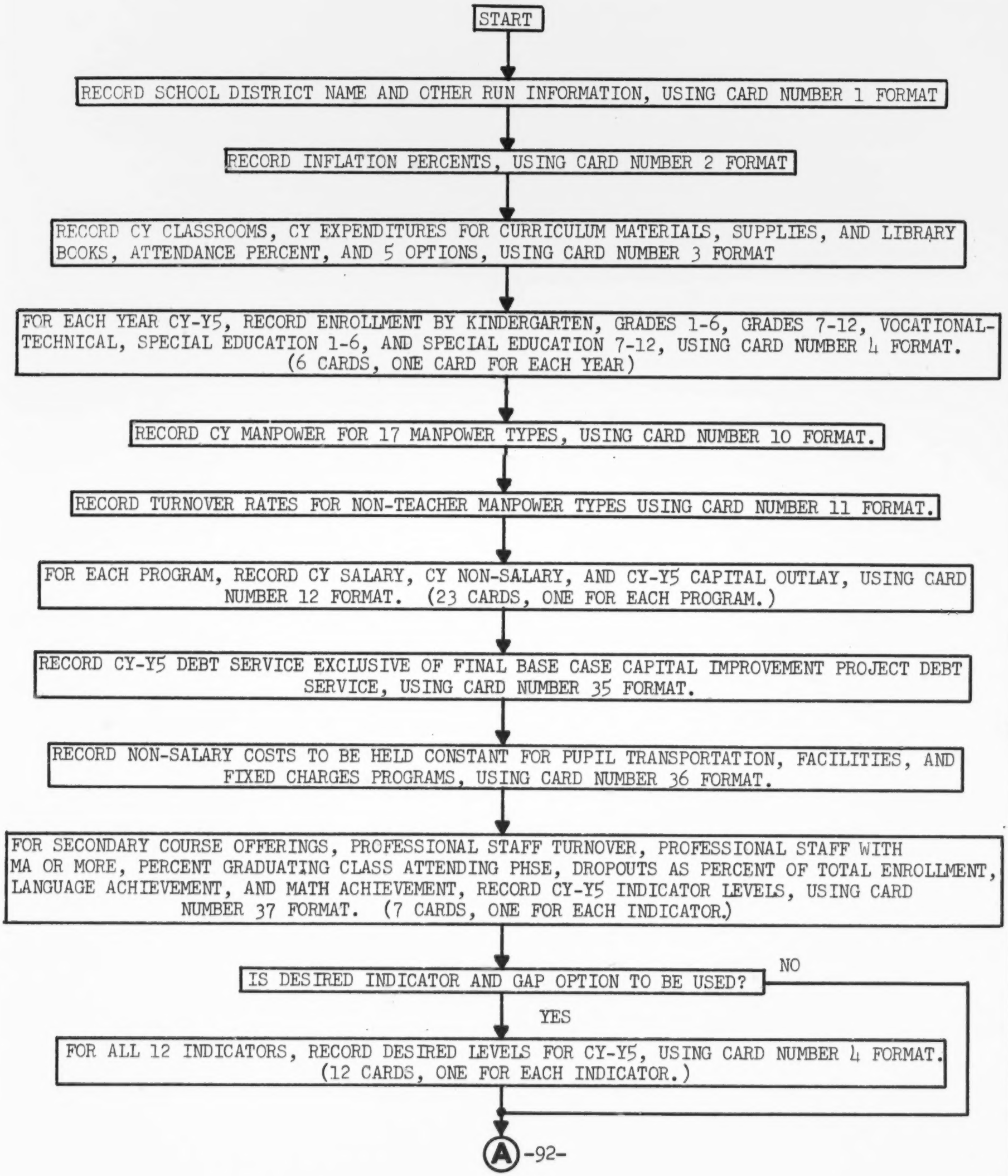
Blank fields are assumed to contain a zero, although you may record the zero if you wish.

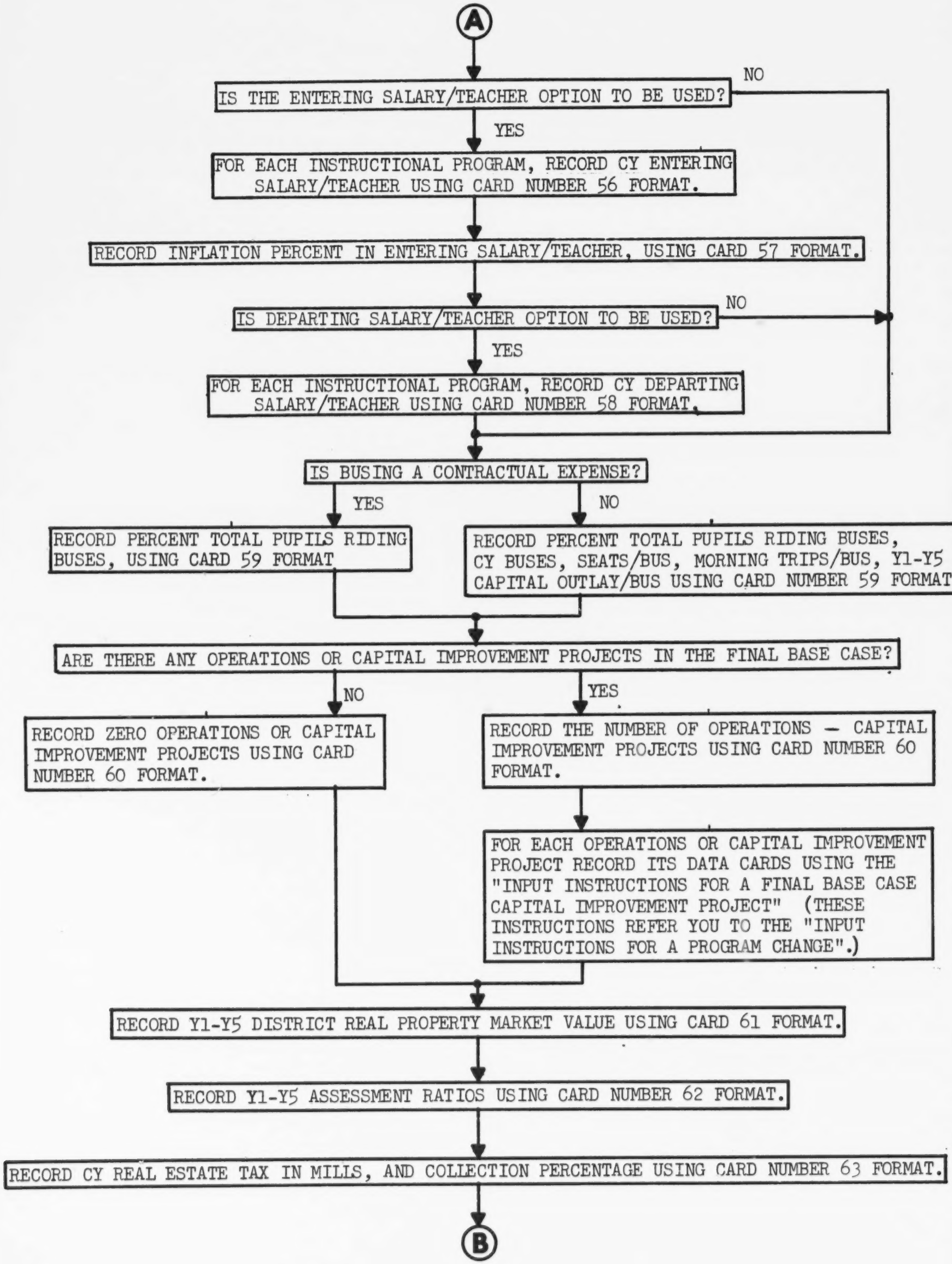
Card Number 1

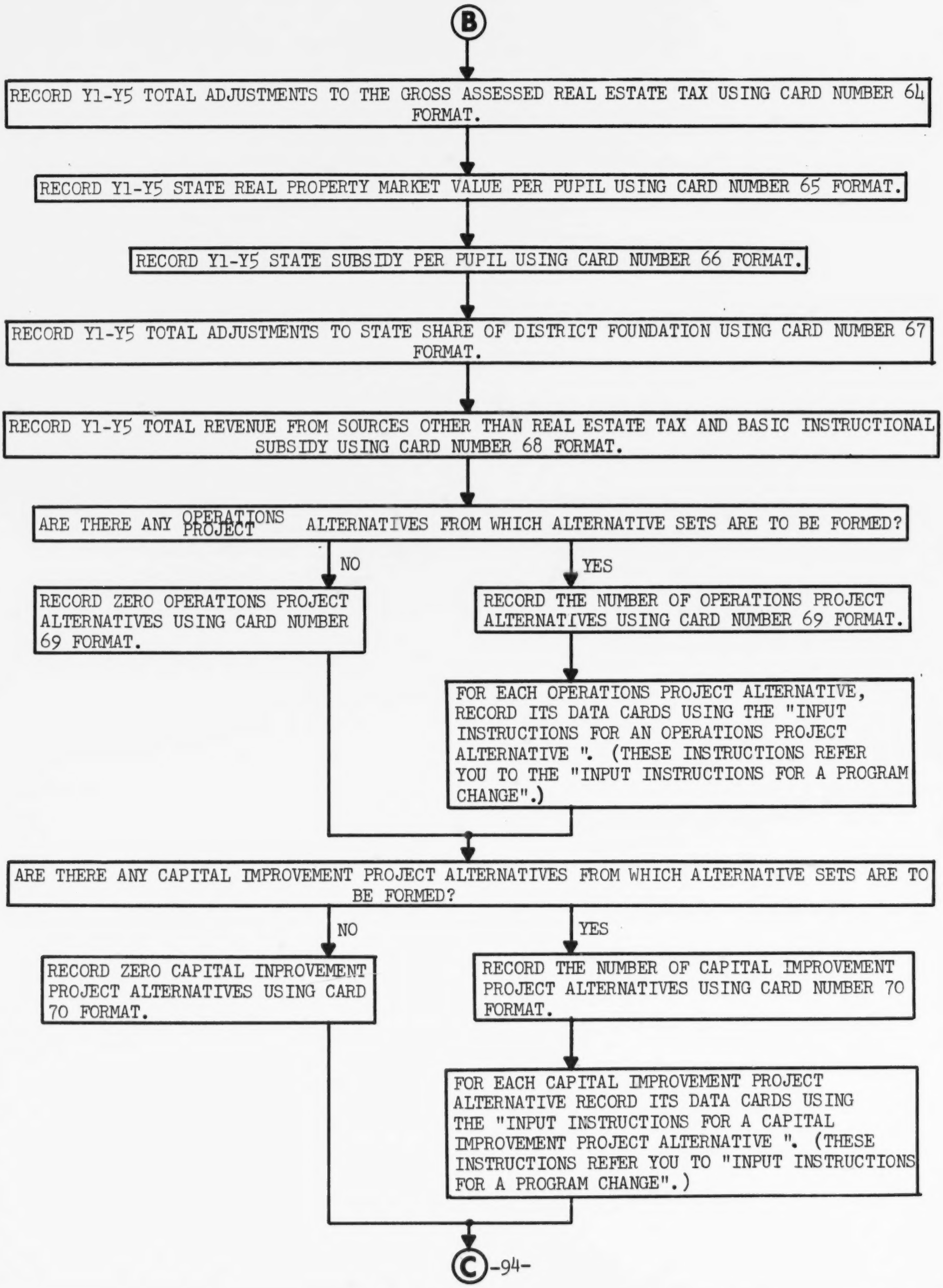
Cols. 1-40.....	School district name and any other information to identify the computer run: such as, date, run number, and author of the data.

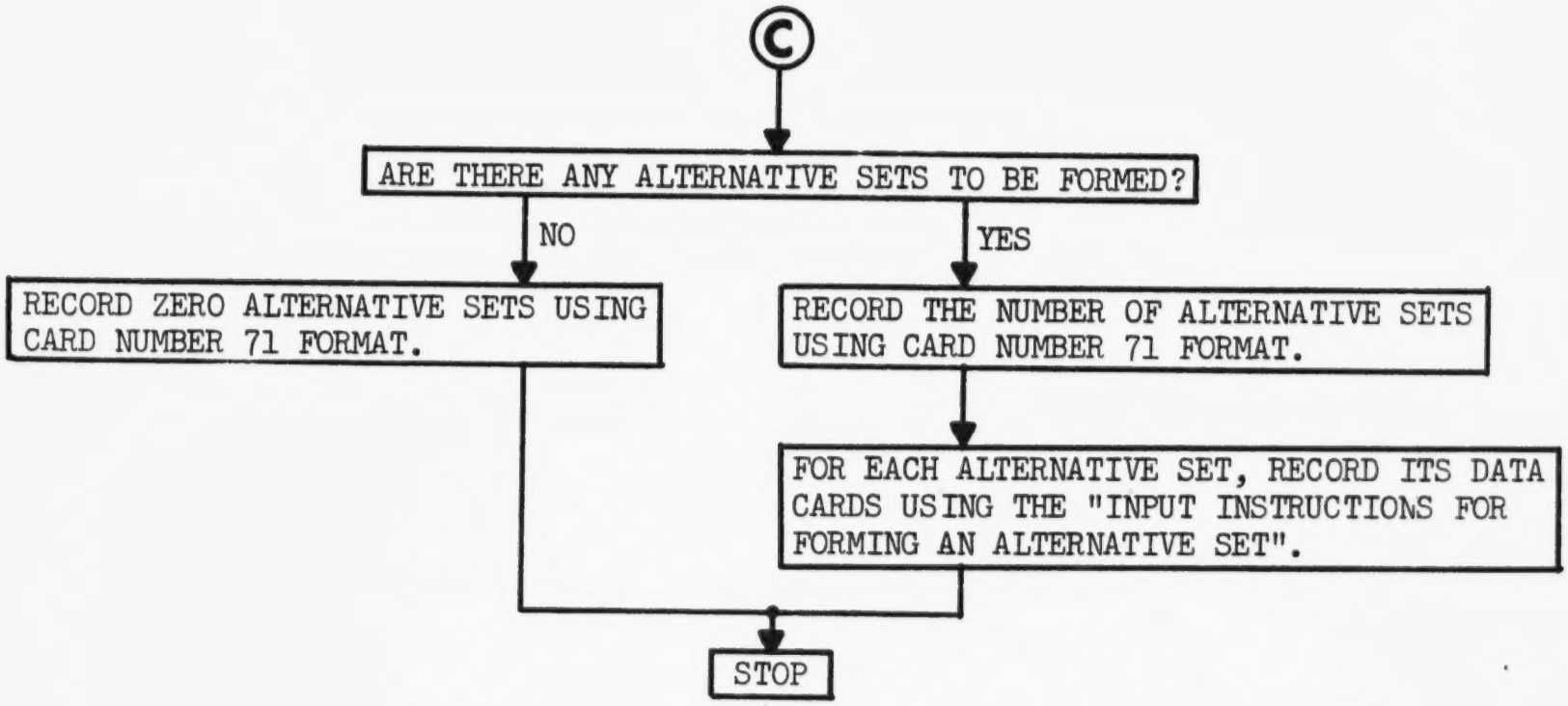
CHART 2

FLOW CHART OF STEPS FOR RECORDING DATA CARDS FOR VERSION II, MODEL I - SCHOOL DISTRICT




A
IS THE ENTERING SALARY/TEACHER OPTION TO BE USED?
NO
YES
FOR EACH INSTRUCTIONAL PROGRAM, RECORD CY ENTERING SALARY/TEACHER USING CARD NUMBER 56 FORMAT.
RECORD INFLATION PERCENT IN ENTERING SALARY/TEACHER, USING CARD 57 FORMAT.
IS DEPARTING SALARY/TEACHER OPTION TO BE USED?
NO
YES
FOR EACH INSTRUCTIONAL PROGRAM, RECORD CY DEPARTING SALARY/TEACHER USING CARD NUMBER 58 FORMAT.
IS BUSING A CONTRACTUAL EXPENSE?
YES
NO
RECORD PERCENT TOTAL PUPILS RIDING BUSES, USING CARD 59 FORMAT
RECORD PERCENT TOTAL PUPILS RIDING BUSES, CY BUSES, SEATS/BUS, MORNING TRIPS/BUS, Y1-Y5 CAPITAL OUTLAY/BUS USING CARD NUMBER 59 FORMAT.
ARE THERE ANY OPERATIONS OR CAPITAL IMPROVEMENT PROJECTS IN THE FINAL BASE CASE?
NO
YES
RECORD ZERO OPERATIONS OR CAPITAL IMPROVEMENT PROJECTS USING CARD NUMBER 60 FORMAT.
RECORD THE NUMBER OF OPERATIONS — CAPITAL IMPROVEMENT PROJECTS USING CARD NUMBER 60 FORMAT.
FOR EACH OPERATIONS OR CAPITAL IMPROVEMENT PROJECT RECORD ITS DATA CARDS USING THE "INPUT INSTRUCTIONS FOR A FINAL BASE CASE CAPITAL IMPROVEMENT PROJECT" (THESE INSTRUCTIONS REFER YOU TO THE "INPUT INSTRUCTIONS FOR A PROGRAM CHANGE".)
RECORD Y1-Y5 DISTRICT REAL PROPERTY MARKET VALUE USING CARD 61 FORMAT.
RECORD Y1-Y5 ASSESSMENT RATIOS USING CARD NUMBER 62 FORMAT.
RECORD CY REAL ESTATE TAX IN MILLS, AND COLLECTION PERCENTAGE USING CARD NUMBER 63 FORMAT.
B


B
RECORD Y1-Y5 TOTAL ADJUSTMENTS TO THE GROSS ASSESSED REAL ESTATE TAX USING CARD NUMBER 64 FORMAT.
RECORD Y1-Y5 STATE REAL PROPERTY MARKET VALUE PER PUPIL USING CARD NUMBER 65 FORMAT.
RECORD Y1-Y5 STATE SUBSIDY PER PUPIL USING CARD NUMBER 66 FORMAT.
RECORD Y1-Y5 TOTAL ADJUSTMENTS TO STATE SHARE OF DISTRICT FOUNDATION USING CARD NUMBER 67 FORMAT.
RECORD Y1-Y5 TOTAL REVENUE FROM SOURCES OTHER THAN REAL ESTATE TAX AND BASIC INSTRUCTIONAL SUBSIDY USING CARD NUMBER 68 FORMAT.
ARE THERE ANY OPERATIONS PROJECT ALTERNATIVES FROM WHICH ALTERNATIVE SETS ARE TO BE FORMED?
NO
YES
RECORD ZERO OPERATIONS PROJECT ALTERNATIVES USING CARD NUMBER 69 FORMAT.
RECORD THE NUMBER OF OPERATIONS PROJECT ALTERNATIVES USING CARD NUMBER 69 FORMAT.
FOR EACH OPERATIONS PROJECT ALTERNATIVE, RECORD ITS DATA CARDS USING THE "INPUT INSTRUCTIONS FOR AN OPERATIONS PROJECT ALTERNATIVE ". (THESE INSTRUCTIONS REFER YOU TO THE "INPUT INSTRUCTIONS FOR A PROGRAM CHANGE".)
ARE THERE ANY CAPITAL IMPROVEMENT PROJECT ALTERNATIVES FROM WHICH ALTERNATIVE SETS ARE TO BE FORMED?
NO
YES
RECORD ZERO CAPITAL INPROVEMENT PROJECT ALTERNATIVES USING CARD 70 FORMAT.
RECORD THE NUMBER OF CAPITAL IMPROVEMENT PROJECT ALTERNATIVES USING CARD NUMBER 70 FORMAT.
FOR EACH CAPITAL IMPROVEMENT PROJECT ALTERNATIVE RECORD ITS DATA CARDS USING THE "INPUT INSTRUCTIONS FOR A CAPITAL IMPROVEMENT PROJECT ALTERNATIVE ". (THESE INSTRUCTIONS REFER YOU TO "INPUT INSTRUCTIONS FOR A PROGRAM CHANGE".)
C


C
ARE THERE ANY ALTERNATIVE SETS TO BE FORMED?
NO
YES
RECORD ZERO ALTERNATIVE SETS USING CARD NUMBER 71 FORMAT.
RECORD THE NUMBER OF ALTERNATIVE SETS USING CARD NUMBER 71 FORMAT.
FOR EACH ALTERNATIVE SET, RECORD ITS DATA CARDS USING THE "INPUT INSTRUCTIONS FOR FORMING AN ALTERNATIVE SET".
STOP

Card Number 2

Cols. 1-4.....	Salary inflation percent.
Cols. 5-8.....	Non-salary inflation percent.
Cols. 9-12.....	Vocational-Technical non-salary inflation percent, if Vocational-Technical is outside school district.

Card Number 3

Cols. 1-5.....	CY total classrooms.
Cols 6-13.....	CY expenditure on curriculum materials, supplies, and library books.
Cols. 14-18.....	Attendance percent.
Col. 19.....	Put 0 if Vocational-Technical is outside school district. Put 1 if Vocational-Technical is inside school district.
Col. 20.....	Put 0 if teacher manpower in ABC is <u>not</u> to be rounded-up. Put 1 if teacher manpower in ABC is to be rounded-up. For example, suppose the computation yields 39.3 teachers. If the round-up option is used, 39.3 becomes 40. If round-up option is not used, 39.3 remains 39.3.
Col. 21.....	Put 0 if <u>no</u> entering salary/teacher and <u>no</u> departing salary/teacher will be entered below. Put 1 if an entering salary/teacher but <u>no</u> departing salary/teacher will be entered below. Put 2 if both an entering salary/teacher and a departing salary/teacher will be entered below.
Col. 22.....	Put 0 if Kindergarten is single-session. Put 1 if Kindergarten is double-session.
Col. 23.....	Put 0 if <u>no</u> desired indicator levels will be entered below and <u>no</u> indicator gaps are to be calculated. Put 1 if desired indicator levels will be inputed below and indicator gaps are to be calculated.

Card Number 4

Cols. 1-10.....	CY Kindergarten enrollment. Use Form #2: New Enrollment Forecast from the Education-Planning-Programming-Budgeting System Procedures Manual for School Districts, Version I, Model 2 (Procedures Manual) to aid you in gathering the data.
Cols. 11-20.....	CY total enrollment in grades 1-6 except for Special Education enrollment in Grades 1-6.
Cols. 21-30.....	CY Total enrollment in grades 7-12 except for Vocational-Technical enrollment and Special Education enrollment in grades 7-12.
Cols. 31-40.....	CY Vocational-Technical enrollment.
Cols. 41-50.....	CY Special Education enrollment in grades 1-6.
Cols. 51-60.....	CY Special Education enrollment in grades 7-12.

Card Number 5

Y1 enrollment forecast formatted as on Card Number 4.

Card Number 6

Y2 enrollment forecast formatted as on Card Number 4.

Card Number 7

Y3 enrollment forecast formatted as on Card Number 4.

Card Number 8

Y4 enrollment forecast formatted as on Card Number 4.

Card Number 9

Y5 enrollment forecast formatted as on Card Number 5.

Card Number 10

Cols. 1-4.....	CY manpower in full-time equivalents for the first manpower type (Professional Administration). See Table 2 for the seventeen manpower types. Use Form #13: Manpower Requirements - Final Base Case from the Procedures Manual to aid you in gathering your data.
Cols. 5-8.....	CY manpower in full-time equivalents for the second manpower type (Principals).
Cols. 9-64.....	CY manpower in full time equivalents for balance of manpower types (allow same number of columns, four, for each type).
Cols. 65-68.....	CY manpower in full-time equivalents for the seventeenth manpower type (Administrative Staff).

TABLE 2

Manpower Number and Types

Number	Manpower Type
1	Professional Administration
2	Principals
3	Teachers-Early Childhood Instruction
4	Teachers-Elementary Instruction
5	Teachers-Secondary Instruction
6	Teachers-Vocational-Technical Instruction
7	Teachers-Special Instruction
8	Teachers-Continuing Instruction
9	Instructional Specialists
10	Nurses
11	Psychologists
12	Clerical Personnel
13	Operations Personnel
14	Maintenance Personnel
15	Bus Drivers
16	Food Service Personnel
17	Administrative Staff

Card Number 11

Cols. 1-4.....	Turnover rate in percent for the first manpower type (Professional Administration).
Cols. 5-8.....	Turnover rate in percent for the second manpower type (Principals).
Cols. 9-32.....	Leave blank.
Cols. 33-36.....	Turnover rate in percent for the ninth manpower type (Instructional Specialists).
Cols. 37-64.....	Turnover rate in percent for manpower types ten through sixteen (allow four columns for each type).
Cols. 65-68.....	Turnover rate in percent for the seventeenth manpower type (Administrative Staff).

The turnover rate for teachers will be inputed below on Card Number 38 as Indicator #7 (Professional Staff Turnover, in Percent).

Card Number 12

Cols. 1-10.....	CY salary cost for the first program (Policy and Executive). See Table 3 for a list of the twenty-three programs. Use Worksheet #3.1 (Form #3 - Program and Project Crosswalk) from the Procedures Manual to aid you in gathering the data.
Cols. 11-20.....	CY non-salary cost for the first program.
Cols. 21-30.....	CY capital outlay for the first program.
Cols. 31-40.....	Y1 capital outlay for the first program.
Cols. 41-50.....	Y2 capital outlay for the first program.
Cols 51-60.....	Y3 capital outlay for the first program.

Cols. 61-70.....	Y4 capital outlay for the first program.
Cols. 71-80.....	Y5 capital outlay for the first program.

TABLE 3

Program Numbers and Titles

Number	Program Title
1	Policy and Executive
2	Comprehensive Planning
3	Information and Liaison
4	Community Services
5	Coordinative Support Services
6	Early Childhood Instruction
7	Elementary Instruction
8	Secondary Instruction
9	Vocational-Technical Instruction
10	Special Instruction
11	Continuing Instruction
12	Instructional Support Services
13	Nursing
14	Medical
15	Dental
16	Psychological
17	Health Support Services
18	General Services
19	Pupil Transportation
20	Food Services
21	Facilities

22	Fixed Charges
23	Business Support Services

Card Number 13

A card similar to Card Number 12, but for the second program (Comprehensive Planning).

Card Number 14

A card similar to Card Number 12, but for the third program (Information and Liaison).

Card Number 15

A card similar to Card Number 12, but for the fourth program (Community Services).

Card Number 16

A card similar to Card Number 12, but for the fifth program (Coordinative Support Services).

Card Number 17

A card similar to Card Number 12, but for the sixth program (Early Childhood Instruction).

Card Number 18

A card similar to Card Number 12, but for the seventh program (Elementary Instruction).

Card Number 19

A card similar to Card Number 12, but for the eighth program (Secondary Instruction).

Card Number 20

A card similar to Card Number 12, but for the ninth program (Vocational-Technical Instruction).

Card Number 21

A card similar to Card Number 12, but for the tenth program (Special Instruction).

Card Number 22

A card similar to Card Number 12, but for the eleventh program (Continuing Instruction).

Card Number 23

A card similar to Card Number 12, but for the twelfth program (Instructional Support Services).

Card Number 24

A card similar to Card Number 12, but for the thirteenth program (Nursing).

Card Number 25

A card similar to Card Number 12, but for the fourteenth program (Medical).

Card Number 26

A card similar to Card Number 12, but for the fifteenth program (Dental).

Card Number 27

A card similar to Card Number 12, but for the sixteenth program (Psychological).

Card Number 28

A card similar to Card Number 12, but for the seventeenth program (Health Support Services).

Card Number 29

A card similar to Card Number 12, but for the eighteenth program (General Services).

Card Number 30

A card similar to Card Number 12, but for the nineteenth program (Pupil Transportation).

Card Number 31

A card similar to Card Number 12, but for the twentieth program (Food Services).

Card Number 32

A card similar to Card Number 12, but for the twenty-first program (Facilities).

Card Number 33

A card similar to Card Number 12, but for the twenty-second program (Comprehensive Planning).

Card Number 34

A card similar to Card Number 12, but for the twenty-third program (Business Support Services).

Card Number 35

Cols. 1-10.....	CY Debt Service.
Cols 11-20.....	Y1 Debt Service. (Not including Debt Service of Final Base Case Capital Improvements.)
Cols. 21-30.....	Y2 Debt Service. (Not including Debt Service of Final Base Case Capital Improvements.)
Cols. 31-40.....	Y3 Debt Service. (Not including Debt Service of Final Base Case Capital Improvements.)
Cols. 41-50.....	Y4 Debt Service. (Not including Debt Service of Final Base Case Capital Improvements.)
Cols. 51-60.....	Y5 Debt Service. (Not including Debt Service of Final Base Case Capital Improvements.)

Card Number 36

Cols. 1-10.....	Pupil Transportation non-salary costs to be held constant.
Cols. 11-20.....	Facilities non-salary costs to be held constant.
Cols. 21-30.....	Fixed Charges non-salary costs to be held constant.

Card Number 37

Cols. 1-8.....	CY Secondary Course Offerings (Indicator #3). See Table 4 for a list of the indicators. The indicators are defined in the section on Form #4: Indicator Level - Summary in the Procedures Manual. Use Worksheets #6.1 and #6.13 (Form #6: Calculations and Projections of Indicators for Base Cases - Detail) in the Procedures Manual to assist you in gathering the data for the indicators.
Cols. 9-16.....	Y1 Secondary Course Offerings.
Cols. 17-24.....	Y2 Secondary Course Offerings.
Cols. 25-32.....	Y3 Secondary Course Offerings.
Cols. 33-40.....	Y4 Secondary Course Offerings.
Cols. 41-48.....	Y5 Secondary Course Offerings.

Card Number 38

A card similar to Card Number 37, but for Professional Staff Turnover, in Percent (Indicator #7).

Card Number 39

A card similar to Card Number 37, but for Percent Graduating Class Attending PHSE (Indicator #9).

Card Number 40

A card similar to Card Number 37, but for Percent Graduating Class Attending PHSE (Indicator #9).

Card Number 41

A card similar to Card Number 37, but for Dropouts as a Percent of Total Enrollment (Indicator #10).

TABLE 4

Indicator Numbers and Titles

Number	Indicator Title
1	Excess enrollment
2	Classroom teachers/1000 weighted pupils
3	Mean cumulative course offerings for grades 7-12 in 200 min./week equivalents
4	Instructional specialists, nurses, and psychologists/weighted pupil
5	Expenditures for curriculum materials, supplies, and library books/weighted pupil
6	Net total expenditures/weighted pupil
7	Professional staff turnover in percent
8	Percent of professional staff with MA degree or more
9	Percent of graduating class attending PHSE
10	Dropouts as percent of enrollment
11	Language achievement as mean deviation from grade level
12	Mathematics achievement as mean deviation from grade level

Card Number 42

A card Similar to Card Number 37, but for Language Achievement (Indicator #11).

Card Number 43

A card similar to Card Number 37, bur for Mathematics Achievement (Indicator #12).

Note:

1. If the option for entering desired indicator levels and for calculating indicator gaps is used, the following card numbers 44-55 must be included.

2. Use Worksheet #6.13 (Form #6: Calculations and Projections of Indicators for Base Cases - Detail) in the Procedures Manual to assist you in gathering the data.

3. If the option is not used, skip down to the instructions following Card Number 55.

Card Number 44

Cols. 1-8.....	CY desired indicator level for the first indicator (Excess Enrollment). Use Worksheet #6.13 in the Procedures Manual to assist you in gathering the data.
Cols. 9-16.....	Y1 desired indicator level for the first indicator.
Cols. 17-24.....	Y2 desired indicator level for the first indicator.
Cols. 25-32.....	Y3 desired indicator level for the first indicator.
Cols. 33-40.....	Y4 desired indicator level for the first indicator.
Cols. 41-48.....	Y5 desired indicator level for the first indicator.

Card Number 45

Follow the same instructions outlined under Card Number 44 for Indicator #2.

Card Number 46

Follow the same instructions as outlined under Card Number 44 for Indicator #3.

Card Number 47

Follow the same instructions as outlined under Card Number 44 for Indicator #4.

Card Number 48

Follow the same instructions as outlined under Card Number 44 for Indicator #5.

Card Number 49

Follow the same instructions as outlined under Card Number 44 for Indicator #6.

Card Number 50

Follow the same instructions as outlined under Card Number 44 for Indicator #7.

Card Number 51

Follow the same instructions as outlined under Card Number 44 for Indicator #8.

Card Number 52

Follow the same instructions as outlined under Card Number 44 for Indicator #9.

Card Number 53

Follow the same instructions as outlined under Card Number 44 for Indicator #10.

Card Number 54

Follow the same instructions as outlined under Card Number 44 for Indicator #11.

Card Number 55

Follow the same instructions as outlined under Card Number 44 for Indicator #12.

Note:

1. If no entering salary/teacher and no departing salary/teacher option was specified above, skip down to Card Number 59 and include it as the very next card.

Card Number 56

Cols. 1-6.....	CY entering salary/teacher for Early Childhood teachers.
Cols. 7-12.....	CY entering salary/teacher for Elementary teachers.
Cols. 13-18.....	CY entering salary/teacher for Secondary teachers.
Cols. 19-24.....	CY entering salary/teacher for Vocational-Technical teachers.
Cols. 25-30.....	CY entering salary/teacher for Special Education teachers.

Card Number 57

Cols. 1-4..... Inflation percent on the entering salaries/teacher. Refer to Table 2 Compound Inflation Rates of the Procedures Manual for the rates.

Note:

1. If no departing salary/teacher option was specified above, skip down to Card Number 59 and include it as the very next card.

Card Number 58

Cols. 1-6..... CY departing salary/teacher for Early Childhood teachers.

Cols. 7-12..... CY departing salary/teacher for Elementary teachers.

Cols. 13-18..... CY departing salary/teacher for Secondary teachers.

Cols. 19-24..... CY departing salary/teacher for Vocational-Technical teachers.

Cols. 25-30..... CY departing salary/teacher for Special Education teachers.

Card Number 59

Cols. 1-6..... Total bus riders as percent of total enrollment (less .5 Kindergarten enrollment, if Kindergarten is single-session).

Read the following paragraphs before using Columns 7-54:

1. Columns 7-54 are applicable if pupil transporation is not a contractual expense, i.e., the school district owns buses and has bus drivers. (Under this condition, Card Number 10 should have some CY bus drivers.)

2. If pupil transportation is a contractual expense, leave columns 7-54 blank. (Under this condition, Card Number 10 should have no CY bus drivers.)

3. If it is desired not to have pupil transportation costs vary with enrollment, leave Card Number 59 blank.

Cols. 7-12.....	CY number of buses.
Cols. 13-18.....	Seats/bus.
Cols. 19-24.....	Morning trips/bus.
Cols. 25-30.....	Y1 capital outlay/bus.
Cols. 31-36.....	Y2 capital outlay/bus.
Cols. 37-42.....	Y3 capital outlay/bus.
Cols. 43-48.....	Y4 capital outlay/bus.
Cols. 49-54.....	Y5 capital outlay bus.

Card Number 60

Cols. 1-2.....	Number of operations or capital improvement projects in the Final Base Case.

Note:

If there are operations or capital improvement projects in the Final Base Case, make Card Number 61 the very next card after Card Number 60. If the Final Base Case has at least one operations or capital improvement project, include a set of cards for each operations or capital improvement project - stacking one set after another, between Card Numbers 60 and 61. See the "Input Instructions For A Final Base Case Operations or Capital Improvement Project" to complete each set of cards; these instructions follow Card Number 71.

Card Number 61

Cols 1-9.....	Y1 District real property market value. Refer to the instructions for Form #14: Revenue Forecast of the Procedures Manual. The instructions and worksheets will aid you in gathering the data for Card Number 61.

Cols. 10-18.....	Y2 District real property market value.
Cols. 19-27.....	Y3 District real property market value.
Cols. 28-36.....	Y4 District real property market value.
Cols. 37-45.....	Y5 District real property market value.

Card Number 62

Cols. 1-5.....	Y1 Assessment ratio. Refer to the instructions for Form #14 of the Procedures Manual. The instructions and worksheets will aid you in gathering the data for Card Number 62.
Cols. 6-10.....	Y2 Assessment ratio.
Cols. 11-15.....	Y3 Assessment ratio.
Cols. 16-20.....	Y4 Assessment ratio.
Cols. 21-25.....	Y5 Assessment ratio.

Card Number 63

Cols. 1-5.....	CY Real estate tax rate in mills. Refer to the instructions for Form #14 of the Procedures Manual. The instructions and worksheets will aid you in gathering data for Card Number 63.
Cols. 6-10.....	Collection percentage (assumed same for all years Y1-Y5).

Card Number 64

Cols. 1-9.....	Y1 Total Adjustments to the gross assessed real estate tax to obtain total real estate tax. Refer to the instructions for Form #14 of the Procedures Manual. The instructions and worksheets will aid you in gathering data for Card Number 64.

Cols. 10-18.....	Y2 Total Adjustments to the gross assessed real estate tax to obtain total real estate tax.
Cols. 19-27.....	Y3 Total Adjustments to the gross assessed real estate tax to obtain total real estate tax.
Cols. 28-36.....	Y4 Total Adjustments to the gross assessed real estate tax to obtain total real estate tax.
Cols. 37-45.....	Y5 Total Adjustments to the Gross assessed real estate tax to obtain total real estate tax.

Card Number 65

Cols. 1-6.....	Y1 State real property market value per pupil. Refer to the instructions for Form #14 of the Procedures Manual. The instructions and worksheets will aid you in gathering data for Card Number 65.
Cols. 7-12.....	Y2 State real property market value per pupil.
Cols. 13-18.....	Y3 State real property market value per pupil.
Cols. 19-24.....	Y4 State real property market value per pupil.
Cols. 25-30.....	Y5 State eral property market value per pupil.

Card Number 66

Cols. 1-4.....	Y1 State subsidy per pupil. Refer to the instructions for Form #14 of the Procedures Manual. The instructions and worksheets will aid you in gathering data for Card Number 66.
Cols. 5-8.....	Y2 State subsidy per pupil.
Cols. 9-12.....	Y3 State subsidy per pupil.

Cols. 13-16.....	Y4 State subsidy per pupil.
Cols. 17-20.....	Y5 State subsidy per pupil.

Card Number 67

Cols. 1-9.....	Y1 Total adjustments to state share of district foundation to obtain net state instructional subsidy. Refer to the instructions for Form #14 of the Procedures Manual. The instructions and worksheets will aid you in gathering data for Card Number 67.
Cols. 10-18.....	Y2 Total adjustments to state share of district foundation to obtain net state instructional subsidy.
Cols. 19-27.....	Y3 Total adjustments to state share of district foundation to obtain net share instructional subsidy.
Cols. 28-36.....	Y4 Total adjustments to state share of district foundation to obtain net share instructional subsidy.
Cols. 37-45.....	Y5 Total adjustments to state share of district foundation to obtain net share instructional subsidy.

Card Number 68

Cols. 1-9.....	Y1 Total revenue from all sources other than Real Estate Tax and Basic Instructional Subsidy. Refer to the instructions for Form #14 of the Procedures Manual. The instructions and worksheets will aid you in gathering data for Card Number 68.
Cols. 10-18.....	Y2 Total Revenue from all sources other than Real Estate Tax and Basic Instructional Subsidy.
Cols. 19-27.....	Y3 Total Revenue from all sources other than Real Estate Tax and Basic Instructional Subsidy.

Cols. 28-36..... Y4 Total revenue from all sources other than Real Estate Tax and Basic Instructional Subsidy.

Cols. 37-45..... Y5 Total revenue from all sources other than Real Estate Tax and Basic Instructional Subsidy.

Card Number 69

Cols. 1-2..... Total number of operations project alternatives to be considered.

Note:

1. If there are no operations project alternatives, make Card Number 70 the very next card after Card Number 69.

2. If there is at least one operations project alternative, include a set of cards for each operations project alternative, stacking one set after another, between Card Number 69 and Card Number 70. See the "Input Instructions for an Operations Project Alternative" to complete each set of cards. These instructions are presented as a part of a series of such instructions which follows this section.

Card Number 70

Cols. 1-2..... Total number of capital improvement project alternatives to be considered.

Note:

1. If there are no capital improvement project alternatives, make Card Number 71 the very next card after Card Number 70.

2. If there is at least one capital improvement project alternative, include a set of cards for each capital improvement project alternative, stacking one set after another, between Card Numbers 70 and 71. See the "Input Instructions for a Capital Improvement Project Alternative" to complete each set of cards. These instructions are presented as a part of a series of such instructions which follows this section.

Card Number 71

Cols 1-2..... Total number of alternative sets to be formed from the operation project alternatives and capital improvement project alternatives entered previously.

Note:

1. If there are no alternative sets, Card Number 71 is the last data card of the input deck.

2. If there is at least one alternative set to be formed, include one set of cards for each alternative set, stacking one set of cards after another. See the "Input Instructions for Forming Alternative Sets" to complete each set of cards. These instructions are presented as a part of a series of such instructions which follows this section.

3. The last card of the set of cards for the last alternative set to be formed is the last card of the input deck.

Input Instructions for a Final Base Case Operations or Capital Improvement Projects

Include the set of cards described here if the Final Base Case has at least one operations or capital improvement project.

Refer to the instructions for Form #8 - Capital Improvement Project and use the worksheets and Form #8 to aid in gathering the data for the cards. Also refer to the instructions for Form #10.1: Project - Detail and use the form for gathering data for the cards.

Card Number F1

Cols. 1-40.....	Title of the operations or capital improvement project. Precede the verbal title by the last two digits of the year in which the project was approved and the project number, i.e., "68-3 Little Green School Addition".

Card Number F2

Cols. 1-2.....	The year at the beginning of which the operations project begins or capital improvement's classrooms become available. CY is represented by putting a 0 in Column 2, Y1 by 1, etc.
Cols 3-8.....	The number of classrooms. The number of classrooms is assumed to be available for all years from the year indicated in Cols. 1-2 to Y5. Zero is placed in Column 3 for operations projects.

Card Number F3

Cols. 1-2..... The number of programs for which Adjusted Base Case costs are changed because of the operations or capital improvement project. Changes in curriculum materials, supplies, and library books are affected through a change in the Instructional Support Services Program. Changes in Debt Service are affected through a change in the Facilities Program.

Note:

1. For each program the costs of which are to be changed, include a set of cards, stacking one set after another. See the "Input Instructions for a Program Change" for completing each set of cards.

Input Instructions for a Program Change

See Chart 3 for a flowchart of the steps for recording the data cards of a program change for any of the twenty-three programs. If the program change calls for an increase in manpower and/or costs, record just the amount, no plus (+) sign is needed. If the program change calls for a decrease in manpower and/or costs, record a minus (-) sign before the amount.

Card Number D1

Cols. 1-2.....	The number of the program to be changed. See Table 3 for the number corresponding to the program.
Cols. 3-4.....	The first year of the program change. CY as the first year is represented by 0 in Column 4, Y1 as the first year by 1 in Column 4, etc.

Note:

1. If the program to be changed is Medical or Dental, skip down to Card Number 3 and include it immediately following Card Number 1.

2. If the program to be changes is Fixed Charges, skip down to Card Number 5 and include it immediately following Card Number 1.

3. Since the program to be changed is not Medical, Dental, or Fixed Charges, the Program Change will have manpower-salary cards. Look at Table 5 for the manpower types associated with the program to be changed. Suppose the program to be changed is General Services. Associated with General Services are Professional Administration, Administrative Staff, and Clerical Personnel manpower types. For each associated manpower type, include a manpower-salary card using Card Number D2 format. The system assumes that Table 5 includes all the possible manpower type changes which can be associated with each of the twenty-three programs.

Card Number D2

Cols. 1-8.....	First year change in manpower in full-time equivalents for the manpower type.
Cols. 9-16.....	Second year change in manpower in full-time equivalents for the manpower type.

Continue recording manpower changes, using sets of eight columns, until Y5 is reached.

In the next set of eight columns, record the first year average salary/full-time equivalent individual for the manpower type. As a check on the format of Card Number D2, use the following table:

First Year of Program Change	Cols. in Which Average Salary/Man Should be Recorded
CY	49-54
Y1	41-48
Y2	33-40
Y3	25-32
Y4	17-24
Y5	9-16

If the program to be changed is General Services, three cards using Card Number 2 format would be included: the first card for Professional Administration, the second for Administrative Staff, and the third for Clerical Personnel.

If there are no changes in manpower for any manpower type, then its card would be blank.

Skip down to Card Number 6 and include it immediately after the manpower-salary cards just completed.

CHART 3

FLOW CHART OF STEPS FOR RECORDING THE DATA CARDS OF A PROGRAM CHANGE

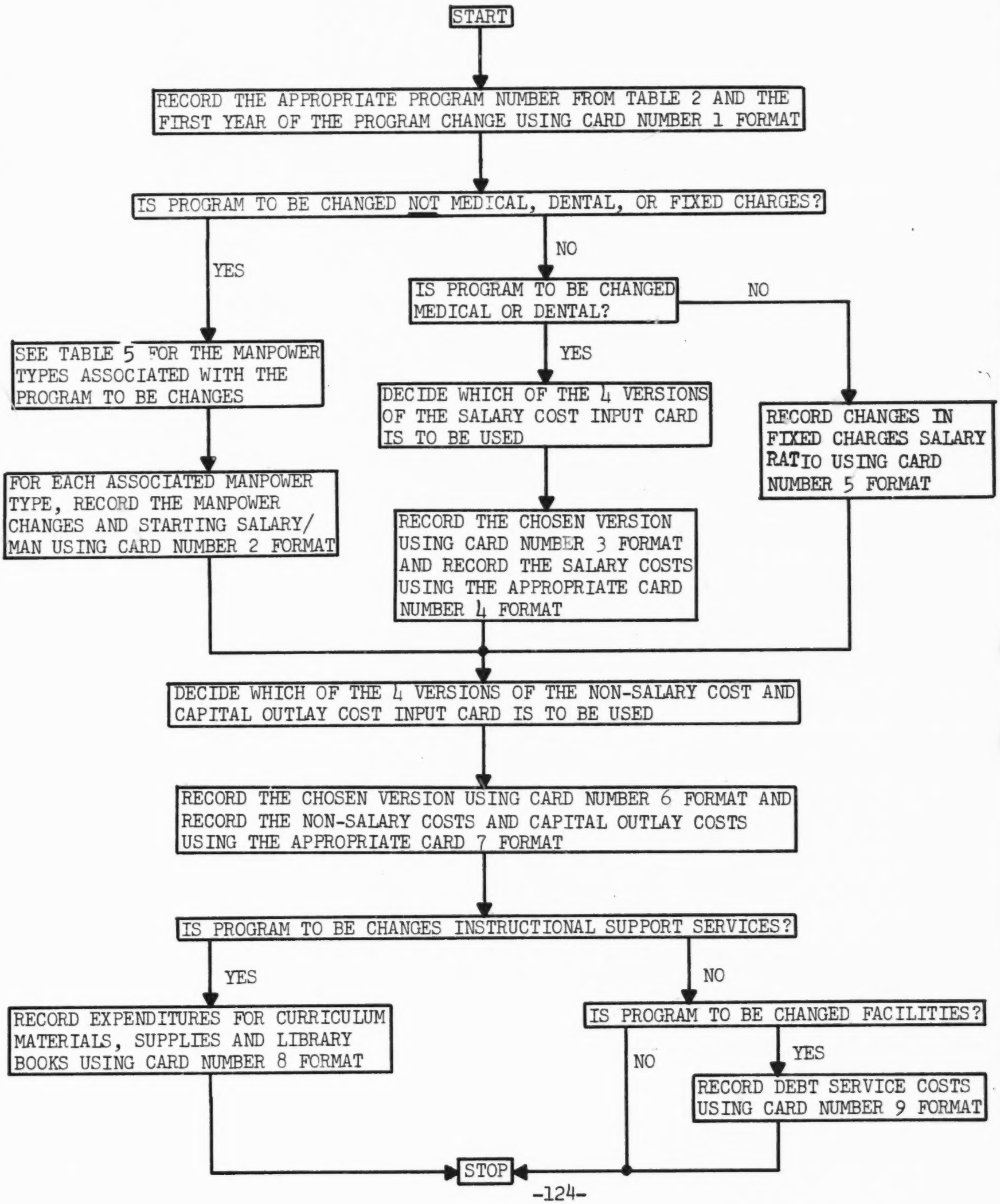


TABLE 5

Manpower Types Associated with Programs

Program	Manpower Types
Policy and Executive	Professional Administration
Comprehensive Planning	Professional Administration
Information and Liaison	Professional Administration
Community Services	Professional Administration
Coordinative Support Services	Professional Administration Clerical Personnal
Early Childhood Instruction	Teachers-Early Childhood
Elementary Instruction	Teachers-Elementary
Secondary Instruction	Teachers-Secondary
Voc.-Tech. Instruction	Teachers-Vocational-Technical
Special Instruction	Teachers-Special Instruction
Continuing Instruction	Teachers-Continuing
Instructional Support Services	Principals Instructional Specialists Clerical Personnel
Nursing	Nurses
Medical	None
Dental	None
Psychological	Psychologists
Health Support Services	Clerical Personnel
General Services	Professional Administration Administrative Staff Clerical Personnel

Pupil Transportation	Bus Drivers
Food Services	Food Service Personnel
Facilities	Operations Personnel Maintenance Personnel
Fixed Charges	None
Business Support Services	Professional Administration Clerical Personnel

Card Numbers D3 and D4

These instructions apply only if the program to be changed is Medical or Dental.

Version #1

If it is desired to input the total change in salary cost for the first year and have the computer inflate the total change to Y5,

1. Card Number D3

   a. Col. 1 - Write 1.

2. Card Number D4

   a. Cols. 1-8 - Total first year change in salary cost.

Version #2

If it is desired to input the total change in salary cost for each year from the first year to Y5,

1. Card Number D3

   a. Col. 1 - Write 2.

2. Card Number D4

   a. Cols. 1-8 - Total change in salary cost.

   b. Cols. 9-16 - Total second year change in salary cost.

   c. Continue recording total changes in salary cost using sets of eight columns until Y5.

Version #3

If it is desired to input the first year change in salary cost/pupil and have the computer inflate and multiply by total weighted enrollment (staff weights) through Y5,

1. Card Number D3

   a. Col. 1 - Write 3.

2. Card Number D4

a. Cols. 1-8 - First year change in salary cost/pupil.

Version #4

If it is desired to input the change in salary cost/pupil for each year from the first year to Y5 and have the computer multiply by total weighted enrollment (staff weights) through Y5,

1. Card Number D3

a. Col. 1 - Write 4.

2. Card Number D4

a. Cols. 1-8 - First year change in salary cost/pupil.

b. Cols. 9-16 - Second year change in salary cost/pupil.

c. Continue recording changes in salary cost/pupil using sets of eight columns until Y5.

Skip down to Card Number D6 and include it immediately after one of the above four versions of Card Numbers D3 and D4.

Card Number D5

Card Number D5 should immediately follow Card Number D1 only if the program to be changed is Fixed Charges.

Cols. 1-8..... First year change in the ratio of Fixed Charges to total other salary (less Medical and Dental salary costs).

Cols 9-16..... Second year change in the ratio of Fixed Charges salary.

Continue recording changes in the ratio using sets of eight columns until Y5.

Card Numbers D6 and D7

These instructions apply to changes in any program.

Version #1

If it is desired to input the total change in non-salary cost for the first year and have the computer inflate the total through Y5,

1. Card Number D6

   a. Col. 1 - Write 1.

2. Card Number D7

   a. Cols. 1-8 - Total change in first year non-salary cost.

   b. Cols. 9-16 - Total change in first year capital outlay cost.

   c. Cols. 17-24 - Total change in second year capital outlay cost.

   d. Continue recording total changes in capital outlay costs using sets of eight columns until Y5.

Version #2

If It is desired to input the total change in non-salary cost for each year from the first year to Y5,

1. Card Number D6

   a. Col. 1 - Write 2.

2. Card Number D7

   a. Cols. 1-8 - Total change in first year non-salary cost.

   b. Cols. 9-16 - Total change in second year non-salary cost.

   c. Continue recording total changes in non-salary costs using sets of eight columns until Y5. Then, record in the next set of eight columns the total change in first year capital outlay costs. Continue recording total changes in capital outlay costs using sets of eight columns until Y5. As a check on the recording of this version of Card Number D7, use the following table:

First Year of the Program Change	Cols. in Which Total First Year Change in Capital Outlay Cost is Recorded
CY	49-54
Y1	41-48
Y2	33-40
Y3	25-32
Y4	17-24
Y5	9-16

Version #3

It it is desired to input the first year change in non-salary cost/pupil and have the computer inflate and multiply by those pupils associated with the program,

1. Card Number D6

   a. Col. 1 - Write 3.

2. Card Number D7

   a. Cols. 1-8 - First year change in non-salary cost/pupil.

   b. Cols. 9-16 - Total first year change in capital outlay cost.

   c. Cols. 17-24 - Total second year change in capital outlay cost.

   d. Continue recording total changes in capital outlay costs using sets of eight columns until Y5. The following table shows the pupil populations associated with the twenty-three programs:

Program	Associated Pupil Population
Early Childhood Instruction	Weighted Kindergarten Enrollment-Finance
Elementary Instruction	Grades 1-6 enrollment
Secondary Instruction	Grades 7-12 enrollment plus
Voc.-Tech. Instruction	Voc.-Tech. enrollment 1/2 Voc.-Tech. enrollment
Special Instruction	Weighted Special enrollment 1-6 plus Weighted Special enrollment 7-12 (finance weights)

e. All other programs are associated with total weighted enrollment (finance weights).

Version #4

If it is desired to input the change in non-salary cost/pupil for each year from the first year of the program change through Y5 and have the computer multiply by those pupils associated with the program,

1. Card Number D6

   a. Col. 1 - Write 4.

2. Card Number D7

   a. Cols. 1-8 - First year change in non-salary cost/pupil.

   b. Cols. 9-16 - Second year change in non-salary cost/pupil.

   c. Continue recording changes in non-salary cost/pupil using sets of eight columns until Y5. Then, record in the next set of eight columns the total change in first year capital outlay cost. Continue recording total changes in capital outlay costs using sets of eight columns until Y5. As a check on the recording of this version of Card Number D7, use the table under Version #2 of Card Numbers D6 and D7 above.

d. The pupils associated with the twenty-three programs are shown in the table under Version #3 of Card Numbers D6 and D7 above.

Note:

1. If the program to be changed is neither Instructional Support Services nor Facilities, the program change is completed.

2. If the program to be changed is Facilities, skip down to Card Number D9 and include it immediately after Card Number D7.

Card Number D8

Card Number D8 should be included after Card Number D7 only if the program to be changed is Instructional Support Services.

Cols. 1-8.....	Total first year change in expenditures for curriculum materials, supplies, and library books.
Cols. 9-16.....	Total second year change in expenditures for curriculum materials, supplies, and library books.

Continue recording total changes in curriculum materials, supplies, and library books using sets of eight columns until Y5. Curriculum materials, supplies, and library books are part of the non-salary costs of Instructional Support Services Program. The non-salary cost changes that are recorded on Card Number D7 are exclusive of curriculum materials, supplies, and library books. The computer will add the expenditures for curriculum materials, etc. to other non-salary costs, so do not double count.

The Instructional Support Services Program change is completed.

Card Number D9

If the program to be charged is Facilities, include Card Number D9 immediately after Card Number D7.

Cols. 1-8.....	Total first year change in Debt Service.
Cols. 9-16.....	Total second year change in Debt Service.

Continue recording total changes in Debt Service using sets of eight columns until Y5.

The Facilities Program Change is completed.

Input Instructions for an Operations Project Alternative

Complete the cards listed for each operations project alternative.

Card Number R1

Cols. 1-40..... Title of the operations project alternative. Precede the verbal title with the last two digits of the year in which the project was approved and the project number, i.e., "68-1 Reading Improvement".

Card Number R2

Cols. 1-2..... The number of programs whose Final Base Case costs are changed because of the operations project alternative. Changes in curriculum materials, supplies, and library books are effected through a change in the Instructional Support Services Program. Changes in debt service are effected through a change in the Facilities Program.

Note:

1. For each program for which costs are to be changed, include a set of cards, stacking one set after another, between Card Numbers R2 and R3. See the "Input Instructions for a Program Change" for completing each set of cards outlined previously.

2. Find the earliest year of the program changes. This year will be used below as the first year of the indicator changes of the program alternative.

Card Number R3

Cols. 1-8..... First year change in Secondary Course Offerings.

Cols. 9-16..... Second year change in Secondary Course Offerings.

Continue recording changes in Secondary Course Offerings using sets of eight columns until Y5.

Card Number R4

A card similar to Card Number R3 for Changes in Professional Staff Turnover, in Percent.

Card Number R5

A card similar to Card Number R3 for Changes in Professional Staff with MA or More, in Percent.

Card Number R6

A card similar to Card Number R3 for Changes in Percent Graduating Class Attending PHSE.

Card Number R7

A card similar to Card Number R3 for Changes in Dropouts as a Percent of Total Enrollment.

Card Number R8

A card similar to Card Number R3 for Changes in Language Achievement.

Card Number R9

A card similar to Card Number R3 for Changes in Mathematics Achievement.

Input Instructions for a Capital Improvement Project Alternative

Card Number C1

Cols. 1-40..... Title of the capital improvement project alternative. Precede each verbal title with the last two digits of the year in which the project was approved and the project number, i.e., "68-3 Little Green School Addition".

Card Number C2

Cols. 1-2..... The year at the beginning of which the capital improvement's classrooms become available. Y1 is represented by putting a 1 in Column 2, Y2 by 2, etc.

Cols. 3-8..... The number of classrooms. This number is assumed to be available all years from that year indicated in Columns 1-2 to Y5. Reductions in classrooms are read in as negative numbers. For example if in a given year a building with ten classrooms is to be demolished, enter -10 in columns 6-8.

Card Number C3

Cols. 1-8..... Total additional revenue resulting from the capital improvement during the first year in which classrooms are available.

Cols. 9-16..... Total additional revenue in the next year.

Continue recording total additional revenues, using sets of eight columns through Y5.

Card Number C4

Cols. 1-2..... The number of programs for which Final Base Case costs are changed because of the capital improvement. Changes in curriculum materials, supplies, and library books are affected through a change in Instructional Support Services Program. Changes in debt service are affected through a change in the Facilities Program.

Note:

1. For each program whose costs are to be changed, include a set of cards, stacking one set after another, between Card Numbers C4 and C5. See the "Input Instructions for a Program Change" for completing each set of cards outlined previously.

2. The first year the classrooms become available will be used below as the first year of the indicator changes because of the capital improvement.

Card Number C5

Cols. 1-8..... First year Changes in Secondary Course Offerings.

Cols. 9-16..... Second year Changes in Secondary Course Offerings.

Continue recording changes in Secondary Course Offerings using sets of eight columns until Y5.

Card Number C6

A card similar to Card Number C5 for Changes in Professional Staff Turnover, in Percent.

Card Number C7

A card similar to Card Number C5 for Changes in Professional Staff with MA or More, in Percent.

Card Number C8

A card similar to Card Number C5 for Changes in Percent Graduating Class Attending PHSE.

Card Number C9

A card similar to Card Number C5 for Changes in Dropouts as a Percent of Total Enrollment.

Card Number C10

A card similar to Card Number C5 for Changes in Language Achievement.

Card Number C11

A card similar to Card Number C5 for Changes in Mathematics Achievement.

Input Instructions for Forming an Alternative Set

Complete the cards explained here when assembling alternative sets. Each set will include the twenty-three continuing programs, previously approved operations and capital improvement projects, and selected operations and capital improvement project alternatives.

Card Number S1

Cols. 1-2..... The total number of project alternatives to be included in the alternative set.

Note:

1. If the alternative set has no operations project alternatives, include Card Number S3 as the very next card after Card Number S1.

2. If the alternative set has at least one operations project alternative, include Card Number S2 as the very next card after Card Number S1.

Card Number S2

Cols. 1-2..... The number of the alternative set's first project alternative in the list of all the operations project alternatives. For Example, Columns 1-2 would contain 10 if the alternative set's first operations project alternative was the tenth operations project alternative.

Cols. 3-4..... The number of the alternative set's second operations project alternative in the list of all the operations project alternatives.

Continue recording numbers of the operations project alternatives, using sets of two columns. Continue on the next card, if necessary, i.e., if the alternative set has more than twenty operations project alternatives.

Card Number S3

Cols. 1-2..... The total number of capital improvement project alternatives to be included in the alternative set.

Note:

1. If the alternative set has no capital improvement project alternatives, Card Number S3 is the last card of the set of cards comprising the alternative set to be formed.

2. If the alternative set has at least one capital improvement project alternative, Card Number S4 is the last card of the set of cards comprising the alternative set to be formed.

Card Number S4

Cols. 1-2..... The number of the alternative set's first capital improvement project alternative in the list of all the capital improvement project alternatives. For example, Column 2 would contain five, if the alternative set's first capital imrpovement project alternative was the fifth potential capital improvement project alternative.

Cols. 3-4..... The number of the alternative set's second capital improvement project alternative in the list of capital improvement project alternatives.

Continue recording numbers of capital improvement project alternatives, using sets of two columns. Continue on the next card, if necessary, i.e., if the alternative set has more than twenty capital improvements.

SECTION II

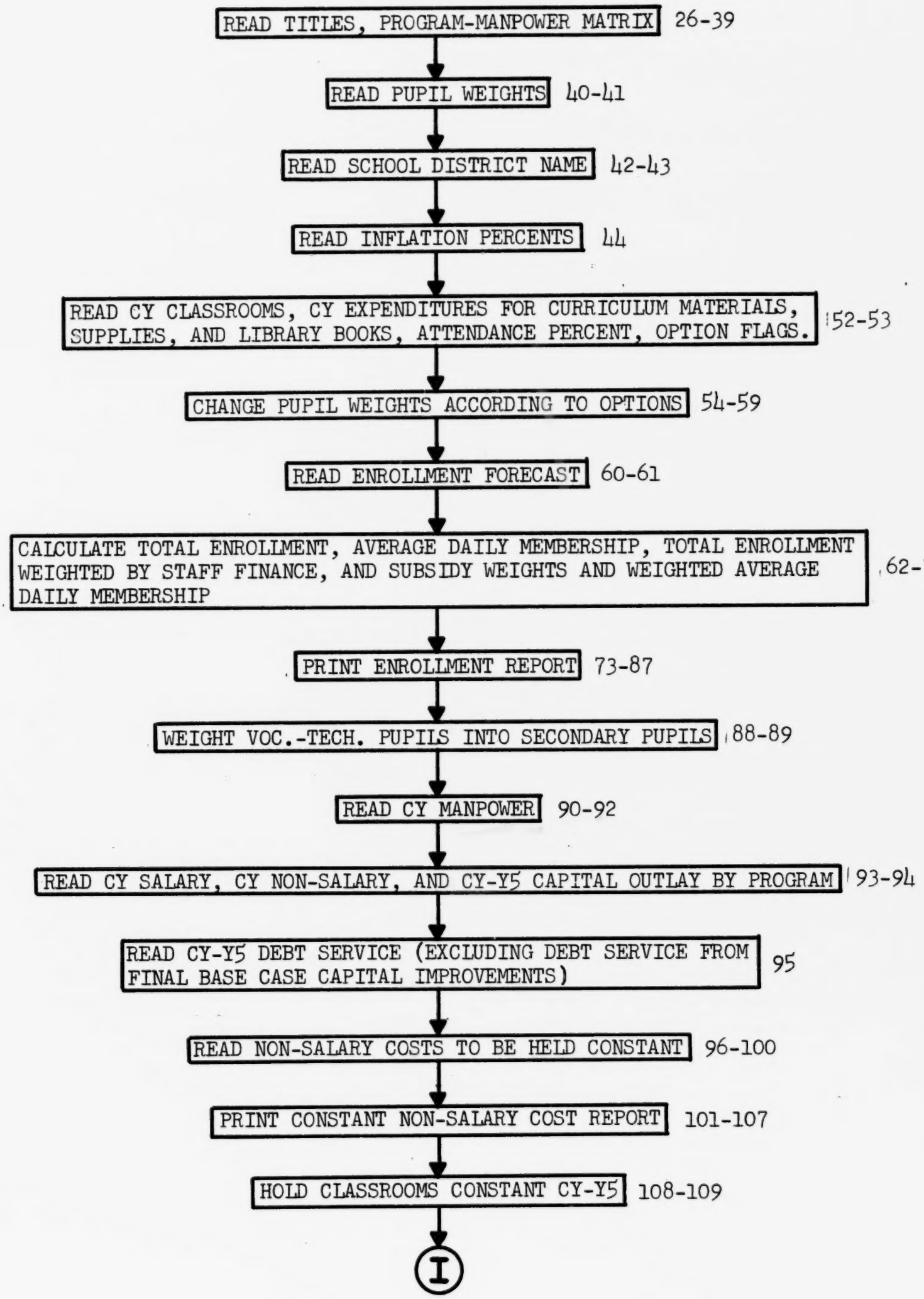
DOCUMENTATION FOR THE SYSTEMS ANALYST

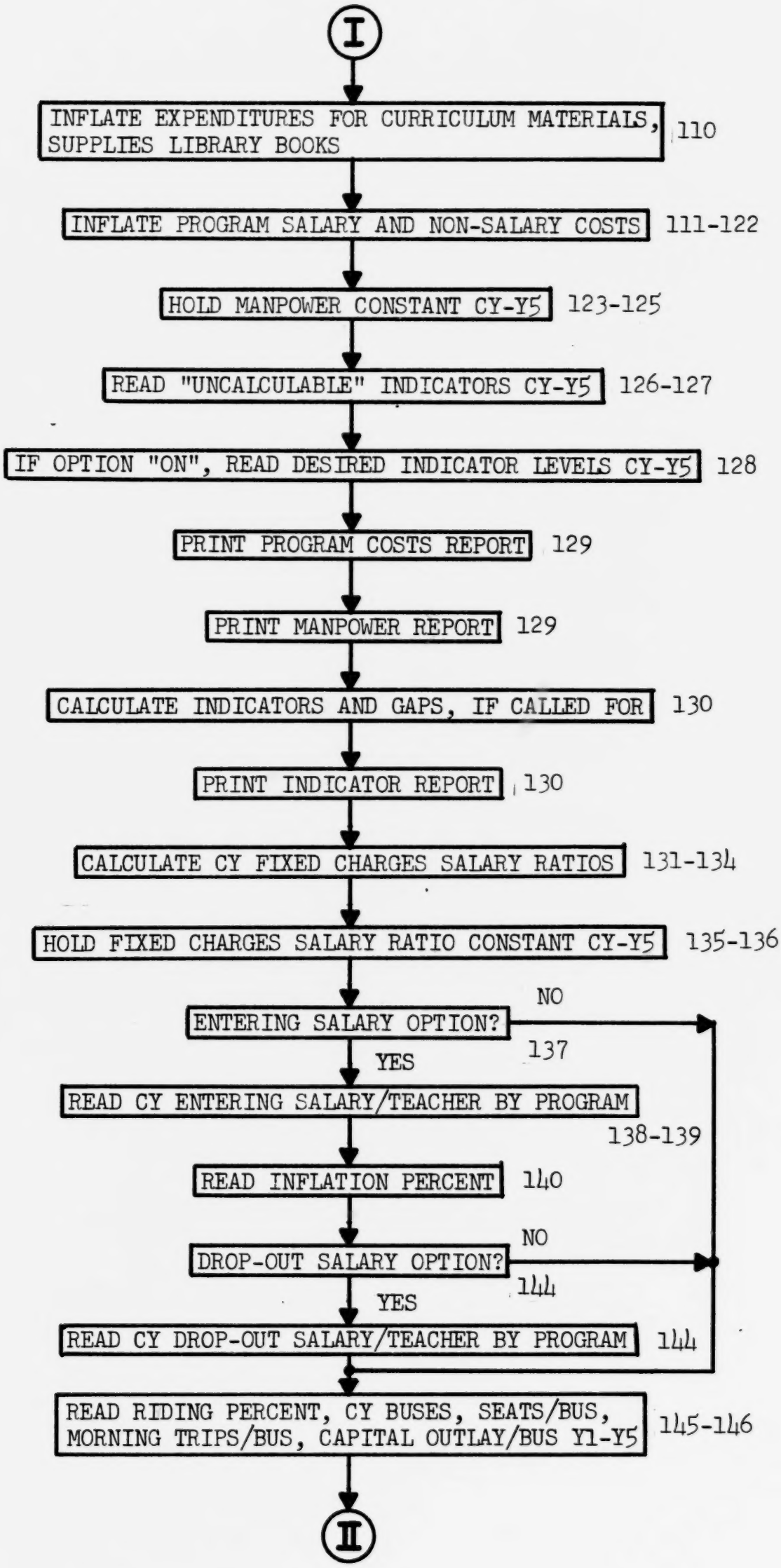
Computer Program Flow Chart

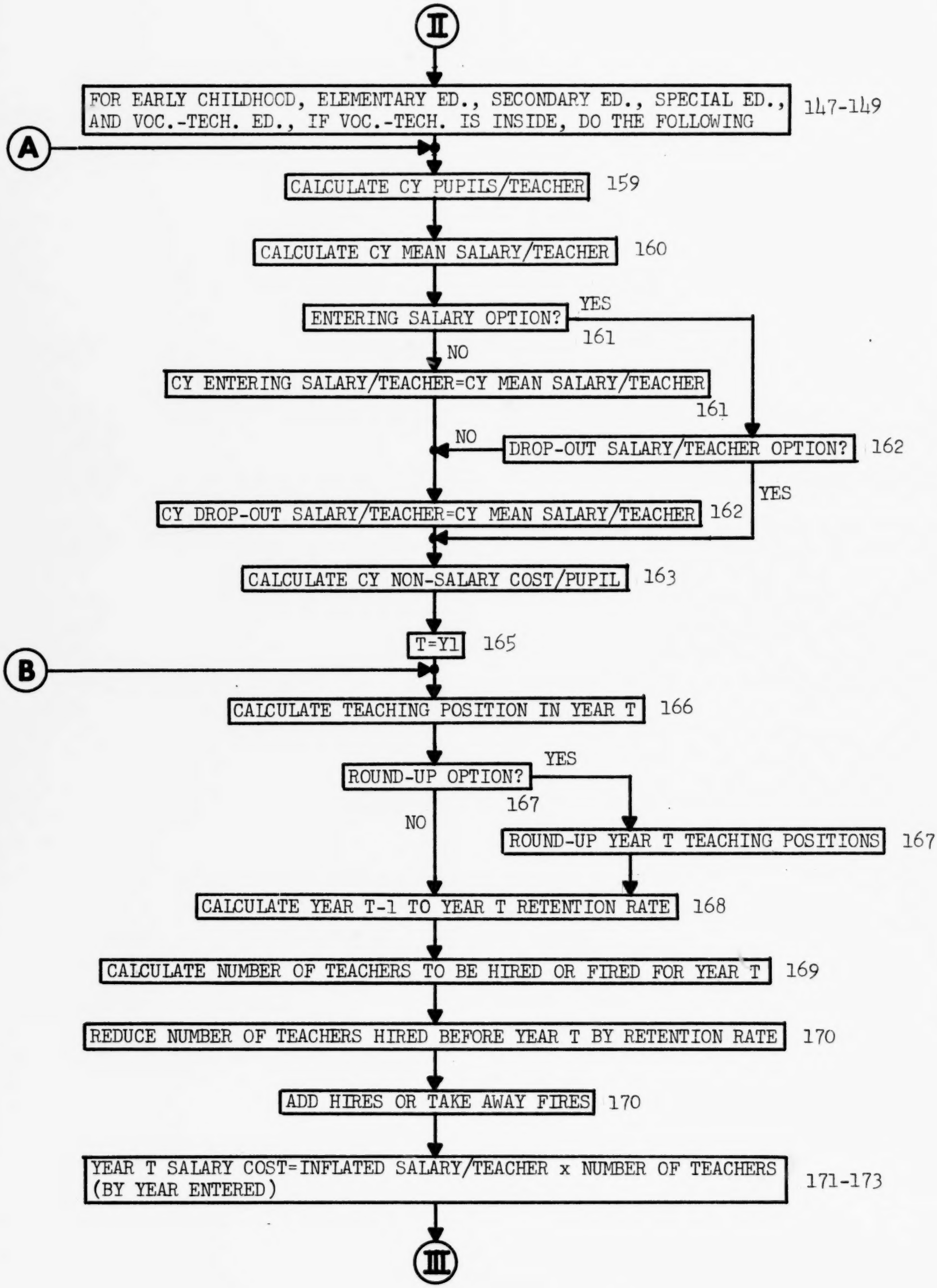
Chart 4 exhibits a flow diagram of the MAIN routine of EPPBS for School Districts, Version II, Model 1. The numbers to the right of each box of the chart are the corresponding statement numbers found on the left margin of the first seventeen pages of the "Commented Listing of the Computer Program" that follows this chart.

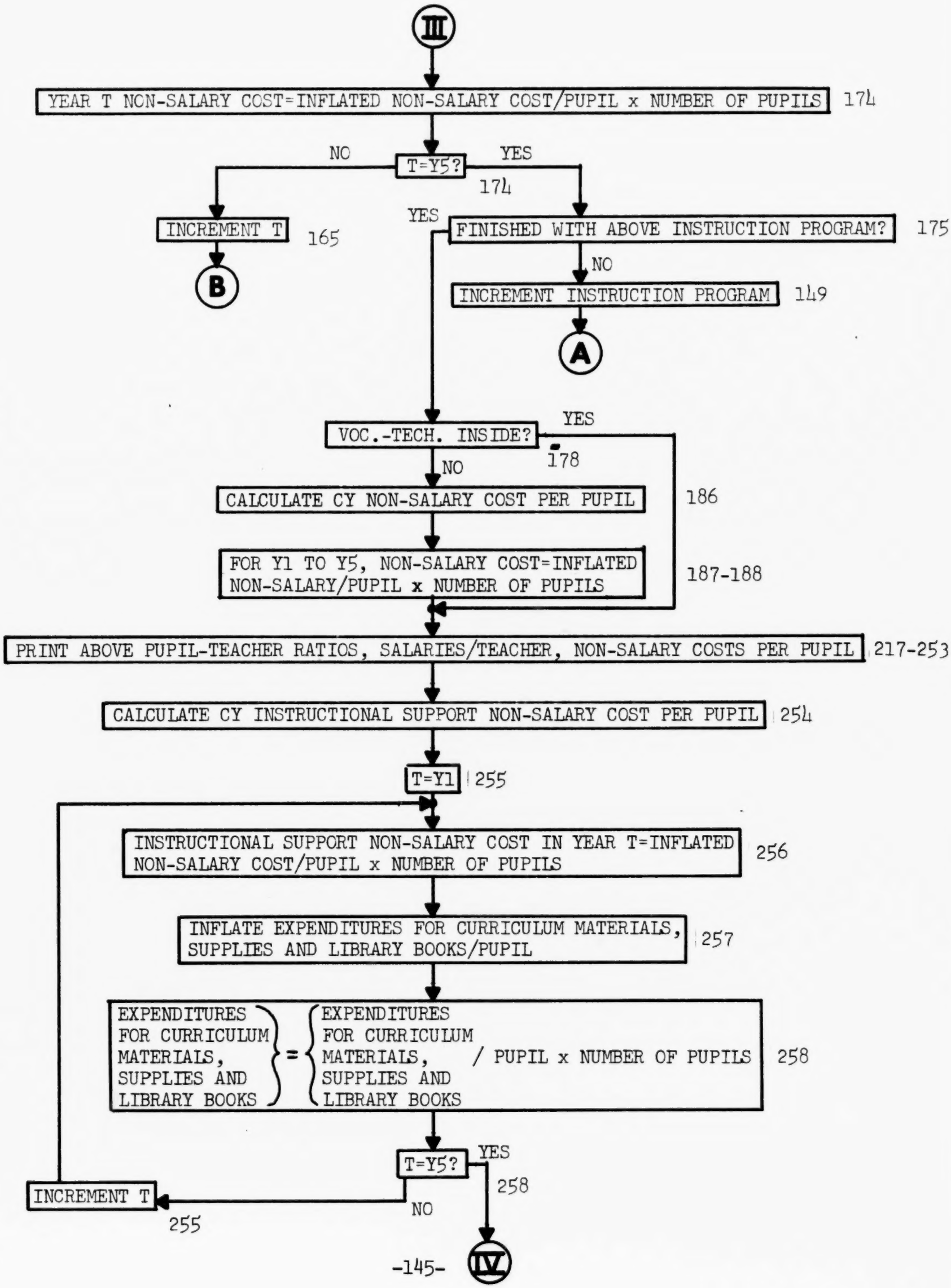
CHART 4

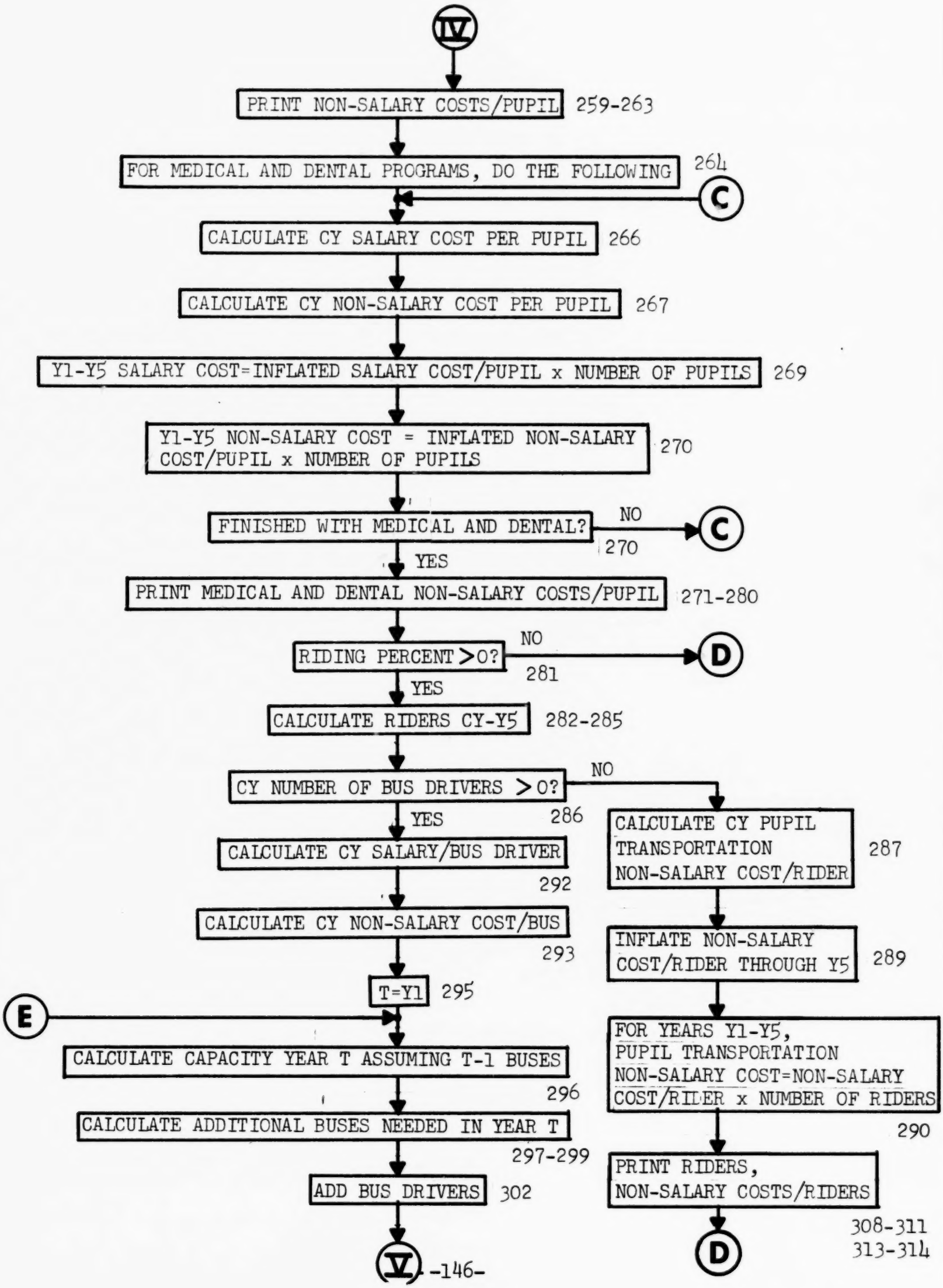
FLOWCHART OF THE COMPUTER PROGRAM

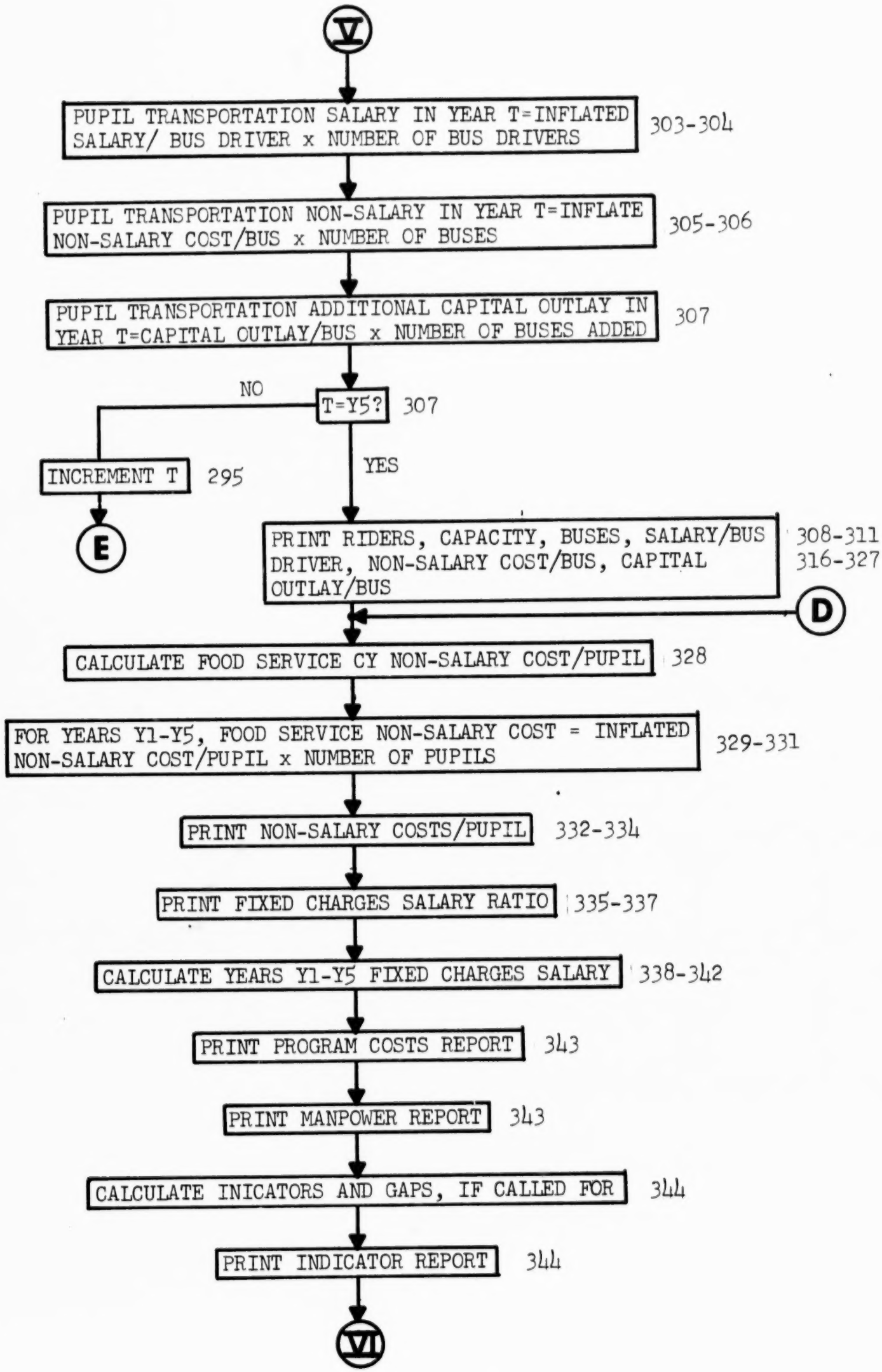


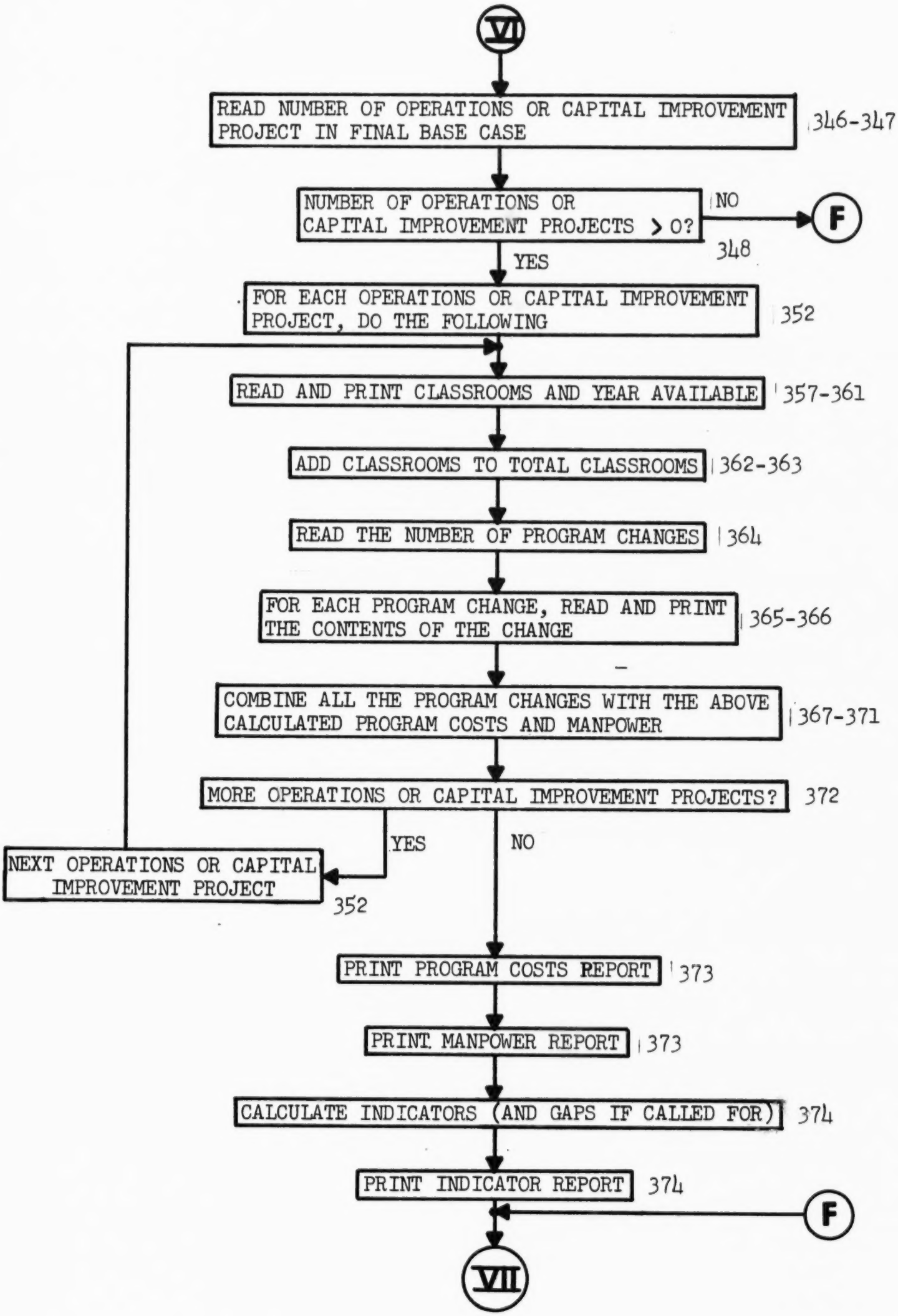

I
INFLATE EXPENDITURES FOR CURRICULUM MATERIALS, SUPPLIES LIBRARY BOOKS
110
INFLATE PROGRAM SALARY AND NON-SALARY COSTS
111-122
HOLD MANPOWER CONSTANT CY-Y5
123-125
READ "UNCALCULABLE" INDICATORS CY-Y5
126-127
IF OPTION "ON", READ DESIRED INDICATOR LEVELS CY-Y5
128
PRINT PROGRAM COSTS REPORT
129
PRINT MANPOWER REPORT
129
CALCULATE INDICATORS AND GAPS, IF CALLED FOR
130
PRINT INDICATOR REPORT
130
CALCULATE CY FIXED CHARGES SALARY RATIOS
131-134
HOLD FIXED CHARGES SALARY RATIO CONSTANT CY-Y5
135-136
ENTERING SALARY OPTION?
NO
137
YES
READ CY ENTERING SALARY/TEACHER BY PROGRAM
138-139
READ INFLATION PERCENT
140
DROP-OUT SALARY OPTION?
NO
144
YES
READ CY DROP-OUT SALARY/TEACHER BY PROGRAM
144
READ RIDING PERCENT, CY BUSES, SEATS/BUS, MORNING TRIPS/BUS, CAPITAL OUTLAY/BUS Y1-Y5
145-146
II

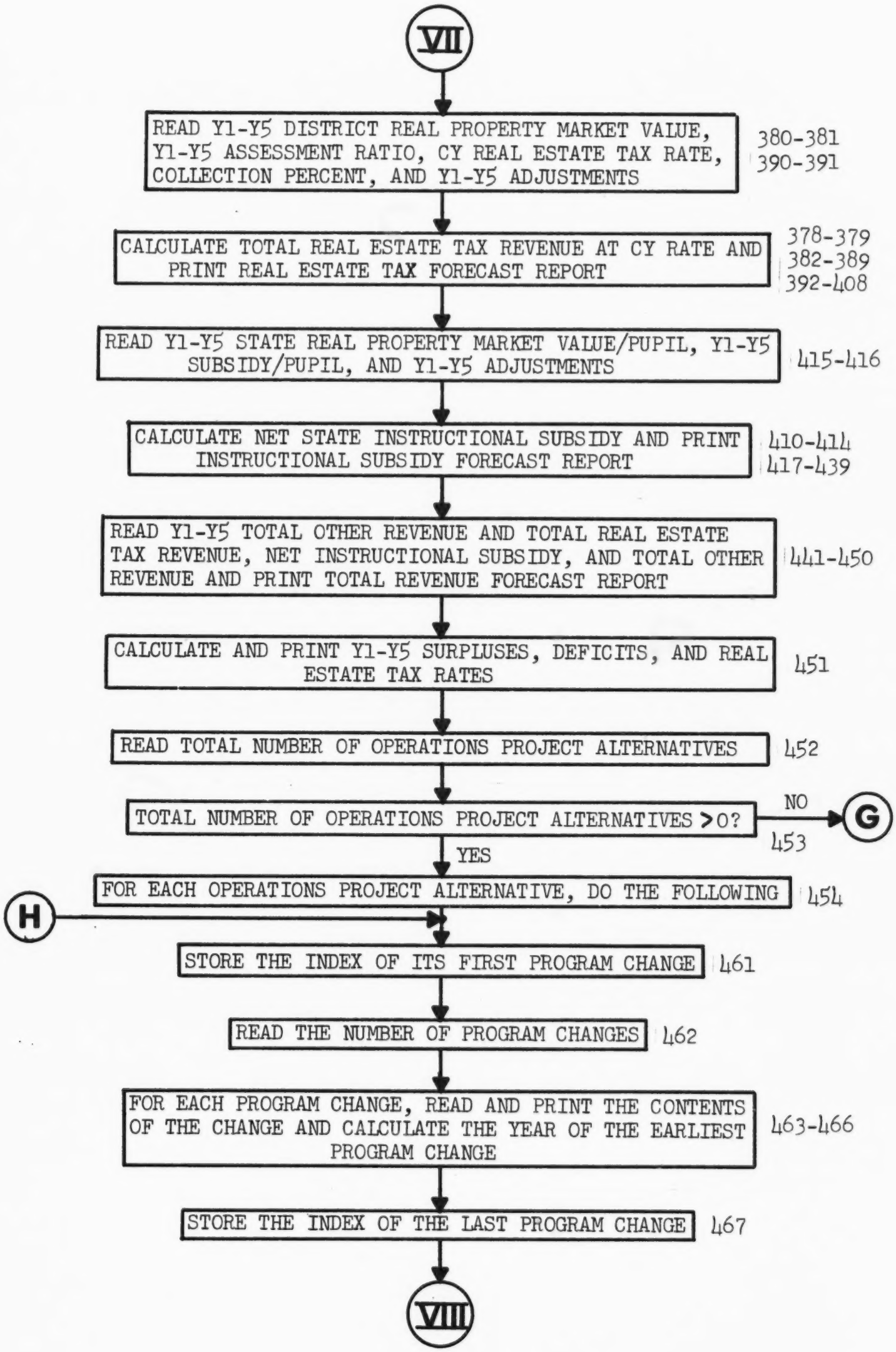

II
FOR EARLY CHILDHOOD, ELEMENTARY ED., SECONDARY ED., SPECIAL ED., AND VOC.-TECH. ED., IF VOC.-TECH. IS INSIDE, DO THE FOLLOWING
147-149
A
CALCULATE CY PUPILS/TEACHER
159
CALCULATE CY MEAN SALARY/TEACHER
160
ENTERING SALARY OPTION?
YES
161
NO
CY ENTERING SALARY/TEACHER=CY MEAN SALARY/TEACHER
161
NO
DROP-OUT SALARY/TEACHER OPTION?
162
YES
CY DROP-OUT SALARY/TEACHER=CY MEAN SALARY/TEACHER
162
CALCULATE CY NON-SALARY COST/PUPIL
163
T=Y1
165
B
CALCULATE TEACHING POSITION IN YEAR T
166
ROUND-UP OPTION?
YES
167
NO
ROUND-UP YEAR T TEACHING POSITIONS
167
CALCULATE YEAR T-1 TO YEAR T RETENTION RATE
168
CALCULATE NUMBER OF TEACHERS TO BE HIRED OR FIRED FOR YEAR T
169
REDUCE NUMBER OF TEACHERS HIRED BEFORE YEAR T BY RETENTION RATE
170
ADD HIRES OR TAKE AWAY FIRES
170
YEAR T SALARY COST=INFLATED SALARY/TEACHER x NUMBER OF TEACHERS (BY YEAR ENTERED)
171-173
III

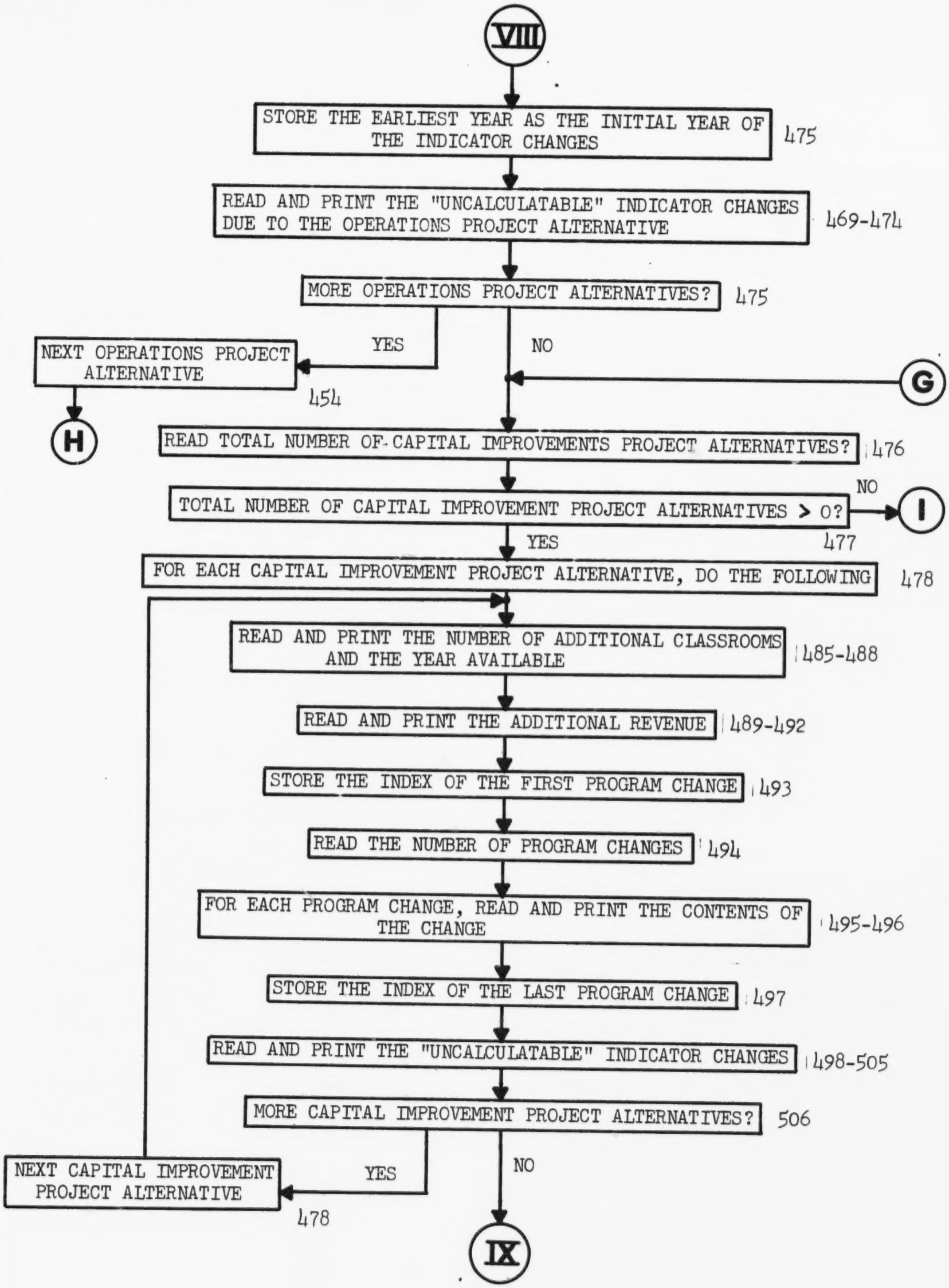

III
YEAR T NON-SALARY COST=INFLATED NON-SALARY COST/PUPIL x NUMBER OF PUPILS
174
T=Y5?
174
NO
YES
INCREMENT T
165
B
YES
FINISHED WITH ABOVE INSTRUCTION PROGRAM?
175
NO
INCREMENT INSTRUCTION PROGRAM
149
A
VOC.-TECH. INSIDE?
178
YES
NO
CALCULATE CY NON-SALARY COST PER PUPIL
186
FOR Y1 TO Y5, NON-SALARY COST=INFLATED NON-SALARY/PUPIL x NUMBER OF PUPILS
187-188
PRINT ABOVE PUPIL-TEACHER RATIOS, SALARIES/TEACHER, NON-SALARY COSTS PER PUPIL
217-253
CALCULATE CY INSTRUCTIONAL SUPPORT NON-SALARY COST PER PUPIL
254
T=Y1
255
INSTRUCTIONAL SUPPORT NON-SALARY COST IN YEAR T=INFLATED NON-SALARY COST/PUPIL x NUMBER OF PUPILS
256
INFLATE EXPENDITURES FOR CURRICULUM MATERIALS, SUPPLIES AND LIBRARY BOOKS/PUPIL
257
EXPENDITURES FOR CURRICULUM MATERIALS, SUPPLIES AND LIBRARY BOOKS = EXPENDITURES FOR CURRICULUM MATERIALS, SUPPLIES AND LIBRARY BOOKS / PUPIL x NUMBER OF PUPILS
258
T=Y5?
YES
258
NO
INCREMENT T
255
IV

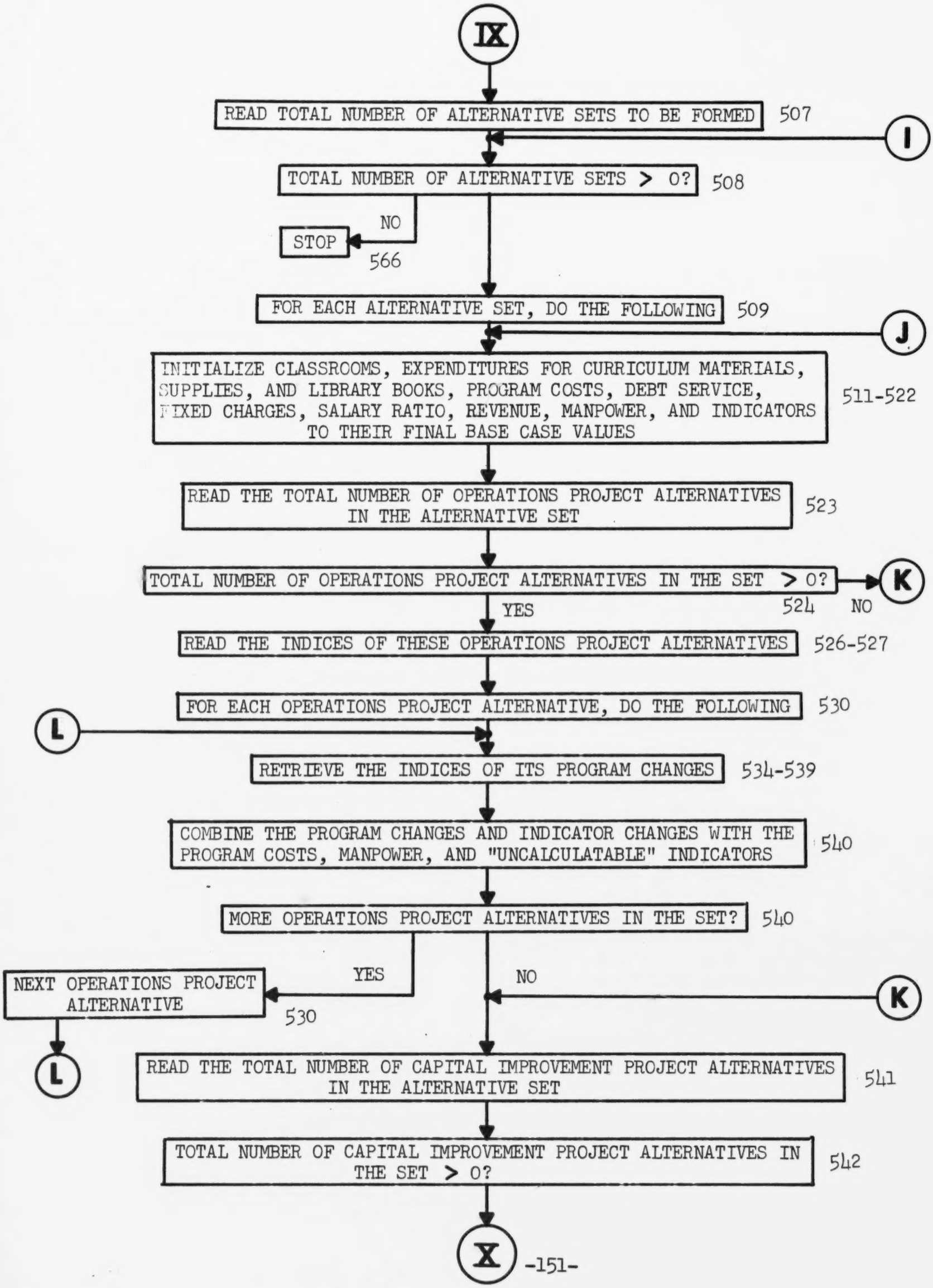

IV
PRINT NON-SALARY COSTS/PUPIL
259-263
FOR MEDICAL AND DENTAL PROGRAMS, DO THE FOLLOWING
264
C
CALCULATE CY SALARY COST PER PUPIL
266
CALCULATE CY NON-SALARY COST PER PUPIL
267
Y1-Y5 SALARY COST=INFLATED SALARY COST/PUPIL x NUMBER OF PUPILS
269
Y1-Y5 NON-SALARY COST = INFLATED NON-SALARY COST/PUPIL x NUMBER OF PUPILS
270
FINISHED WITH MEDICAL AND DENTAL?
NO
270
C
YES
PRINT MEDICAL AND DENTAL NON-SALARY COSTS/PUPIL
271-280
RIDING PERCENT >0?
NO
281
D
YES
CALCULATE RIDERS CY-Y5
282-285
CY NUMBER OF BUS DRIVERS >0?
NO
286
YES
CALCULATE CY SALARY/BUS DRIVER
292
CALCULATE CY NON-SALARY COST/BUS
293
T=Y1
295
E
CALCULATE CAPACITY YEAR T ASSUMING T-1 BUSES
296
CALCULATE ADDITIONAL BUSES NEEDED IN YEAR T
297-299
ADD BUS DRIVERS
302
V
CALCULATE CY PUPIL TRANSPORTATION NON-SALARY COST/RIDER
287
INFLATE NON-SALARY COST/RIDER THROUGH Y5
289
FOR YEARS Y1-Y5, PUPIL TRANSPORTATION NON-SALARY COST=NON-SALARY COST/RIDER x NUMBER OF RIDERS
290
PRINT RIDERS, NON-SALARY COSTS/RIDERS
308-311
313-314
D

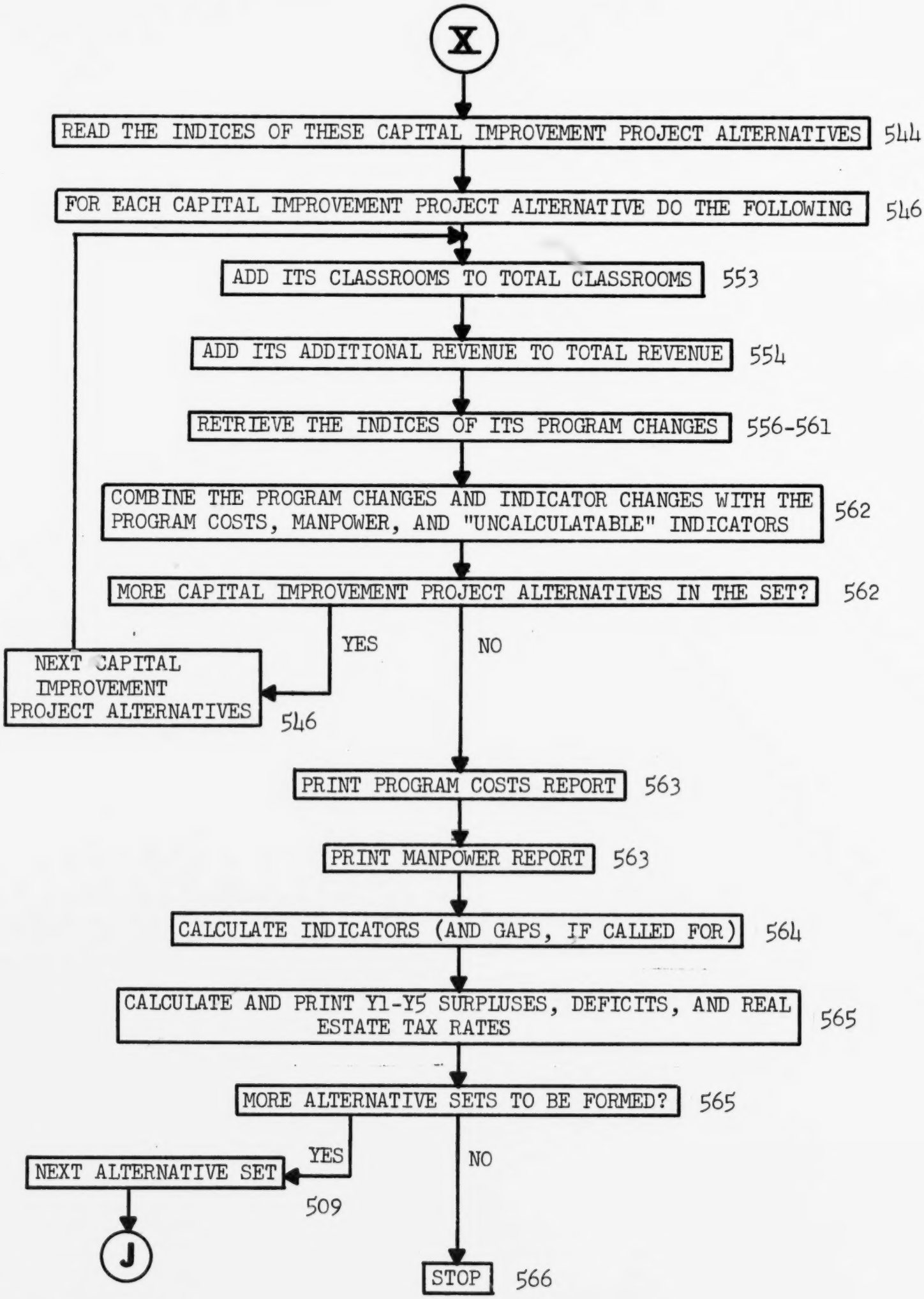

V
PUPIL TRANSPORTATION SALARY IN YEAR T=INFLATED SALARY/ BUS DRIVER x NUMBER OF BUS DRIVERS
303-304
PUPIL TRANSPORTATION NON-SALARY IN YEAR T=INFLATE NON-SALARY COST/BUS x NUMBER OF BUSES
305-306
PUPIL TRANSPORTATION ADDITIONAL CAPITAL OUTLAY IN YEAR T=CAPITAL OUTLAY/BUS x NUMBER OF BUSES ADDED
307
NO
T=Y5?
307
INCREMENT T
295
E
YES
PRINT RIDERS, CAPACITY, BUSES, SALARY/BUS DRIVER, NON-SALARY COST/BUS, CAPITAL OUTLAY/BUS
308-311
316-327
D
CALCULATE FOOD SERVICE CY NON-SALARY COST/PUPIL
328
FOR YEARS Y1-Y5, FOOD SERVICE NON-SALARY COST = INFLATED NON-SALARY COST/PUPIL x NUMBER OF PUPILS
329-331
PRINT NON-SALARY COSTS/PUPIL
332-334
PRINT FIXED CHARGES SALARY RATIO
335-337
CALCULATE YEARS Y1-Y5 FIXED CHARGES SALARY
338-342
PRINT PROGRAM COSTS REPORT
343
PRINT MANPOWER REPORT
343
CALCULATE INICATORS AND GAPS, IF CALLED FOR
344
PRINT INDICATOR REPORT
344
VI


VI
READ NUMBER OF OPERATIONS OR CAPITAL IMPROVEMENT PROJECT IN FINAL BASE CASE
346-347
NUMBER OF OPERATIONS OR CAPITAL IMPROVEMENT PROJECTS > 0?
NO
F
348
YES
FOR EACH OPERATIONS OR CAPITAL IMPROVEMENT PROJECT, DO THE FOLLOWING
352
READ AND PRINT CLASSROOMS AND YEAR AVAILABLE
357-361
ADD CLASSROOMS TO TOTAL CLASSROOMS
362-363
READ THE NUMBER OF PROGRAM CHANGES
364
FOR EACH PROGRAM CHANGE, READ AND PRINT THE CONTENTS OF THE CHANGE
365-366
COMBINE ALL THE PROGRAM CHANGES WITH THE ABOVE CALCULATED PROGRAM COSTS AND MANPOWER
367-371
MORE OPERATIONS OR CAPITAL IMPROVEMENT PROJECTS?
372
YES
NO
NEXT OPERATIONS OR CAPITAL IMPROVEMENT PROJECT
352
PRINT PROGRAM COSTS REPORT
373
PRINT MANPOWER REPORT
373
CALCULATE INDICATORS (AND GAPS IF CALLED FOR)
374
PRINT INDICATOR REPORT
374
F
VII


VII
READ Y1-Y5 DISTRICT REAL PROPERTY MARKET VALUE, Y1-Y5 ASSESSMENT RATIO, CY REAL ESTATE TAX RATE, COLLECTION PERCENT, AND Y1-Y5 ADJUSTMENTS
380-381
390-391
CALCULATE TOTAL REAL ESTATE TAX REVENUE AT CY RATE AND PRINT REAL ESTATE TAX FORECAST REPORT
378-379
382-389
392-408
READ Y1-Y5 STATE REAL PROPERTY MARKET VALUE/PUPIL, Y1-Y5 SUBSIDY/PUPIL, AND Y1-Y5 ADJUSTMENTS
415-416
CALCULATE NET STATE INSTRUCTIONAL SUBSIDY AND PRINT INSTRUCTIONAL SUBSIDY FORECAST REPORT
410-414
417-439
READ Y1-Y5 TOTAL OTHER REVENUE AND TOTAL REAL ESTATE TAX REVENUE, NET INSTRUCTIONAL SUBSIDY, AND TOTAL OTHER REVENUE AND PRINT TOTAL REVENUE FORECAST REPORT
441-450
CALCULATE AND PRINT Y1-Y5 SURPLUSES, DEFICITS, AND REAL ESTATE TAX RATES
451
READ TOTAL NUMBER OF OPERATIONS PROJECT ALTERNATIVES
452
TOTAL NUMBER OF OPERATIONS PROJECT ALTERNATIVES >0?
NO
G
453
YES
FOR EACH OPERATIONS PROJECT ALTERNATIVE, DO THE FOLLOWING
454
H
STORE THE INDEX OF ITS FIRST PROGRAM CHANGE
461
READ THE NUMBER OF PROGRAM CHANGES
462
FOR EACH PROGRAM CHANGE, READ AND PRINT THE CONTENTS OF THE CHANGE AND CALCULATE THE YEAR OF THE EARLIEST PROGRAM CHANGE
463-466
STORE THE INDEX OF THE LAST PROGRAM CHANGE
467
VIII


VIII
STORE THE EARLIEST YEAR AS THE INITIAL YEAR OF THE INDICATOR CHANGES
475
READ AND PRINT THE "UNCALCULATABLE" INDICATOR CHANGES DUE TO THE OPERATIONS PROJECT ALTERNATIVE
469-474
MORE OPERATIONS PROJECT ALTERNATIVES?
475
YES
NO
NEXT OPERATIONS PROJECT ALTERNATIVE
454
G
H
READ TOTAL NUMBER OF CAPITAL IMPROVEMENTS PROJECT ALTERNATIVES?
476
NO
TOTAL NUMBER OF CAPITAL IMPROVEMENT PROJECT ALTERNATIVES > 0?
I
YES
477
FOR EACH CAPITAL IMPROVEMENT PROJECT ALTERNATIVE, DO THE FOLLOWING
478
READ AND PRINT THE NUMBER OF ADDITIONAL CLASSROOMS AND THE YEAR AVAILABLE
485-488
READ AND PRINT THE ADDITIONAL REVENUE
489-492
STORE THE INDEX OF THE FIRST PROGRAM CHANGE
493
READ THE NUMBER OF PROGRAM CHANGES
494
FOR EACH PROGRAM CHANGE, READ AND PRINT THE CONTENTS OF THE CHANGE
495-496
STORE THE INDEX OF THE LAST PROGRAM CHANGE
497
READ AND PRINT THE "UNCALCULATABLE" INDICATOR CHANGES
498-505
MORE CAPITAL IMPROVEMENT PROJECT ALTERNATIVES?
506
NEXT CAPITAL IMPROVEMENT PROJECT ALTERNATIVE
YES
NO
478
IX


IX
READ TOTAL NUMBER OF ALTERNATIVE SETS TO BE FORMED
507
I
TOTAL NUMBER OF ALTERNATIVE SETS > 0?
508
NO
STOP
566
FOR EACH ALTERNATIVE SET, DO THE FOLLOWING
509
J
INITIALIZE CLASSROOMS, EXPENDITURES FOR CURRICULUM MATERIALS, SUPPLIES, AND LIBRARY BOOKS, PROGRAM COSTS, DEBT SERVICE, FIXED CHARGES, SALARY RATIO, REVENUE, MANPOWER, AND INDICATORS TO THEIR FINAL BASE CASE VALUES
511-522
READ THE TOTAL NUMBER OF OPERATIONS PROJECT ALTERNATIVES IN THE ALTERNATIVE SET
523
TOTAL NUMBER OF OPERATIONS PROJECT ALTERNATIVES IN THE SET > 0?
524
NO
K
YES
READ THE INDICES OF THESE OPERATIONS PROJECT ALTERNATIVES
526-527
FOR EACH OPERATIONS PROJECT ALTERNATIVE, DO THE FOLLOWING
530
L
RETRIEVE THE INDICES OF ITS PROGRAM CHANGES
534-539
COMBINE THE PROGRAM CHANGES AND INDICATOR CHANGES WITH THE PROGRAM COSTS, MANPOWER, AND "UNCALCULATABLE" INDICATORS
540
MORE OPERATIONS PROJECT ALTERNATIVES IN THE SET?
540
YES
NO
NEXT OPERATIONS PROJECT ALTERNATIVE
530
K
L
READ THE TOTAL NUMBER OF CAPITAL IMPROVEMENT PROJECT ALTERNATIVES IN THE ALTERNATIVE SET
541
TOTAL NUMBER OF CAPITAL IMPROVEMENT PROJECT ALTERNATIVES IN THE SET > 0?
542
X


X
READ THE INDICES OF THESE CAPITAL IMPROVEMENT PROJECT ALTERNATIVES
544
FOR EACH CAPITAL IMPROVEMENT PROJECT ALTERNATIVE DO THE FOLLOWING
546
ADD ITS CLASSROOMS TO TOTAL CLASSROOMS
553
ADD ITS ADDITIONAL REVENUE TO TOTAL REVENUE
554
RETRIEVE THE INDICES OF ITS PROGRAM CHANGES
556-561
COMBINE THE PROGRAM CHANGES AND INDICATOR CHANGES WITH THE PROGRAM COSTS, MANPOWER, AND "UNCALCULATABLE" INDICATORS
562
MORE CAPITAL IMPROVEMENT PROJECT ALTERNATIVES IN THE SET?
562
YES
NO
NEXT CAPITAL IMPROVEMENT PROJECT ALTERNATIVES
546
PRINT PROGRAM COSTS REPORT
563
PRINT MANPOWER REPORT
563
CALCULATE INDICATORS (AND GAPS, IF CALLED FOR)
564
CALCULATE AND PRINT Y1-Y5 SURPLUSES, DEFICITS, AND REAL ESTATE TAX RATES
565
MORE ALTERNATIVE SETS TO BE FORMED?
565
YES
NO
NEXT ALTERNATIVE SET
509
J
STOP
566

Commented Listing of the Computer Program

A commented listing of EPPBS for School Districts, Version II, Model 1 computer program is exhibited the following pages. The computer language is FØRTRAN IV G-Level. The MAIN routine and its subroutines appear in the following order:

Routine or Subroutine	Pages
MAIN	A0001 - 0017
DHTLE	B0001
RNDUP	C0001
ABCMEN	D0001
PGINPT	E0001 - 0003
PACØMB	F0001 - 0002
SMPRNT	G0001 - 0002
CALIND	H0001 - 0002
REVALT	I0001 - 0002

```
      C
      C     VERSION 2, MOD 1 OF PPBS
      C
0001        INTEGER P,T,H,PRGMPR,PRGLVL,PRGSET,PGSTRT,PGEND,TPSTCD,PGCODE,
           1        PGYEAR,TT
0002        REAL INFLAT,MNPOWR,INDCTR,NSCPP,MNTEMP
0003        DIMENSION PACPTL(99,10)
0004        DIMENSION PRGLVL(23),AMTLVL(23),PTR(6),NSCPP(9),CICLSM(99),
           1          PGSTRT(99),PGEND(99),TPSTCD(99),SLCPP(2),
           2          MNTEMP(6),STITLE(12,6),CIREVU(99, 6)
0005        DIMENSION RLPRPV(2, 6),ASSPCT( 6),ADJMNT( 6),SBDYPP( 6),OTHREV( 6)
0006        DIMENSION BUSES(6),CLYPBS(6),RIDERS(6),CAPCTY(2,6)
0007        REAL MTITLE,ITITLE
0008        COMMON/CSMPRN/TRATE(17)
0009        COMMON/CDHTLE/HTITLE(4,6),DTITLE(10),IPGE
0010        COMMON/CTITLE/PTITLE(24,7),STITLE(4),MTITLE(17,7),YTITLE(6),
           1              ITITLE(12,10)
0011        COMMON/CH/H
0012        COMMON/CPINPT/PRGMPR(23,4),INFLAT(4, 6),NPLST,PGCODE(99),
           1      PGYEAR(99),PCMNPR(99,3, 6),PGNSAL(99, 6),PGECMS(99, 6),
           2      PGCDLY(99, 6),PGDBSE(99, 6),PGRRSS(99, 6),PGSALS(99, 6),
           3      PUPWGT(3,6)
0013        COMMON/CPACMP/RRSSC(2, 6),SALPM(3,6),PRGSET(99),IINSAL,
           1                PAINDR(99,7, 6),INDYR(99)
0014        COMMON/CCLIND/INDCTR(4,12, 6),PUPILS(12, 6),CLSRMS(2, 6),IVOTIN,
           1      MNPOWR(2,17, 6),ECMSLB(2, 6),PRGCST(2,24,4, 6),DBTSER(2, 6),
           2      TOTCST(2, 6)
0015        COMMON/CREVAL/RVENUE(2, 6),RVPMLL( 6),RESTTX( 6),COLPCT,SPLSCY
      C     PRINT COVER SHEET
0016        WRITE(6,700)
0017    700 FORMAT(1H1/10(1H0/),44X,38HPRINT-OUT FROM VERSION II - MODEL I OF/
           1,1H0,39X,51HTHE EDUCATION PLANNING-PROGRAMMING-BUDGETING SYSTEM)
0018        WRITE(6,701)
0019    701 FORMAT(10(1H0/),56X,11HCOURTESY OF)
0020        WRITE(6,702)
0021    702 FORMAT(1H0,55X,25HGOVERNMENT STUDIES CENTER/56X,44HFELS INSTITUTE
           1OF LOCAL AND STATE GOVERNMENT/56X,26HUNIVERSITY OF PENNSYLVANIA/
           264X,3HAND)
0022        WRITE(6,703)
0023    703 FORMAT(56X,25HMANAGEMENT SCIENCE CENTER/56X,38HWHARTON SCHOOL OF F
           1INANCE AND COMMERCE/56X,26HUNIVERSITY OF PENNSYLVANIA)
0024        WRITE(6,704)
0025    704 FORMAT(1H0,55X,43HTHE PROJECT IS SUPPORTED THROUGH A GRANT BY/56X,
           123HTHE U.S. OFFICE OF EDUCATION,/56X,46HPENNSYLVANIA DEPARTMENT OF
           2 PUBLIC INSTRUCTION,/56X,22HUNDER TITLE III, ESEA.)
      C     READ ENROLLMENT TITLES
0026        READ(5,78)((FTITLE(I,J),J=1,6),I=1,12)
0027     78 FORMAT(6A4)
      C     READ CASE TITLES
0028        READ(5,78)((HTITLE(I,J),J=1,6),I=1,4)
      C     READ PROGRAM TITLES AND PROGRAM VS. MANPOWER CODES
0029        DO 150 P=1,23
0030    150 READ(5,1)(PTITLE(P,J),J=1,7),(PRGMPR(P,J),J=1,4)
0031      1 FORMAT(7A4,4I2)
0032        READ(5,1)(PTITLE(24,J),J=1,7)
      C     READ EXPENDITURE CATEGORY TITLES
0033        READ(5,1)(STITLE(J),J=1,4)
```

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                C     READ YEAR TITLES
0034                  READ(5,1)(YTITLE(J),J=1,6)
                C     READ MANPOWER TITLES
0035                  DO 3 J=1,17
0036                3 READ(5,1)(MTITLE(J,JJ),JJ=1,7)
                C     READ INDICATOR TITLES
0037                  DO 75 I=1,12
0038               75 READ(5,154)(ITITLE(I,J),J=1,10)
0039              154 FORMAT(10A4)
                C     READ STAFF, FINANCE, AND SUBSIDY WEIGHTS AND VOC.-TECH.-SEC. ED.
                C           WEIGHT
0040                  READ(5,4)((PUPWGT(I,J),J=1,6),I=1,3),VOTWGT
0041                4 FORMAT(19F4.0)
                C     SCHOOL DISTRICT DATA BEGINS HERE
                C     READ SCHOOL DISTRICT NAME
0042                  READ(5,151)(DTITLE(J),J=1,10)
0043              151 FORMAT(10A4)
                C     READ INFLATION PERCENTS- SALARY, NON-SALARY, AND VOC.-TECH.
                C           NON-SALARY, IF OUTSIDE
0044                  READ(5,4)(INFLAT(I,2),I=1,3)
                C     SET ENTERING SAL. INFLATION = SAL. INFLATION PERCENT
0045                  INFLAT(4,2)=INFLAT(1,2)
                C     HORIZON = 6. IN TIME SUBSCRIPTS BELOW, 1=CY AND 6=Y5
0046                  H=6
                C     MAKE INFLATION PERCENTS INTO MULTIPLICATIVE INFLATION FACTORS
0047                  DO 5 I=1,4
0048                  INFLAT(I,1)=1.0
0049                  INFLAT(I,2)=1.+INFLAT(I,2)/100.
0050                  DO 5 T=3,H
0051                5 INFLAT(I,T)=INFLAT(I,2)*INFLAT(I,T-1)
                C     READ CY CLASSROOMS, CY EXPENDITURES FOR CURR. MATLS., SUPPLIES,
                C           AND LIBRARY BOOKS, ATTENDANCE PERCENT, AND 5 OPTIONS
                C     IVOTIN=1 VOC.-TECH. INSIDE
                C     IVOTIN=0 VOC.-TECH. OUTSIDE
                C     IRNDUP=1 ROUND-UP TEACHERS IN ABC
                C     IRNDUP=0 DO NOT ROUND-UP TEACHERS IN ABC
                C     IINSAL=2 INPUT ENTERING AND DROP-OUT SALARY/TEACHER BELOW
                C     IINSAL=1 INPUT ONLY ENTERING SALARY/TEACHER BELOW
                C     IINSAL=0 INPUT NEITHER
                C     IECED=1 KINDERGARTEN IS DOUBLE SESSION
                C     IECED=0 KINDERGARTEN IS SINGLE-SESSION
                C     ICLGAP=1 INPUT DESIRED INDICATOR LEVELS AND CALCULATE GAPS
                C     ICLGAP=0 DO NOT INPUT DESIRED INDICATOR LEVELS AND DO NOT
                C           CALCULATE INDICATOR GAPS
0052                  READ(5,7)CLSRMS(1,1),ECMSLB(1,1),ATTPT,IVOTIN,IRNDMP,IINSAL,IECED,
                    1       ICLGAP
0053                7 FORMAT(F5.0,F8.0,F5.0,5I1)
                C     IF KINDERGARTEN IS DOUBLE SESSION, CHANGE KINDERGARTEN STAFF AND
                C           FINANCE WEIGHTS
0054                  IF(IECED.EQ.0)GO TO 51
0055                  PUPWGT(1,1)=1.0
0056                  PUPWGT(2,1)=1.0
                C     IF VOC.-TECH. OUTSIDE, REDUCE VOC.-TECH. WEIGHTS
0057               51 IF(IVOTIN.GT.0)GO TO 153
0058                  PUPWGT(1,4)=VOTWGT*PUPWGT(1,4)
0059                  PUPWGT(2,4)=VOTWGT*PUPWGT(2,4)
                C     READ PUPIL ENROLLMENT FORECAST. ENROLLMENT CATEGORIES ARE ASSUMED
                C           TO NOT OVERLAP.
```

```
0050      154 READ(5,9)((PUPILS(J,T),J=1,6),T=1,H)
0061        9 FORMAT(6F10.0)
C     CALCULATE TOTAL ENROLLMENT,ADM, AND TOTAL WEIGHTED ENROLLMENT BY
C          STAFF, FINANCE, AND SURSIDY WEIGHTS AND WEIGHTED ADM
0062        DO 12 T=1,H
0063        PUPILS(7,T)=0.
0064        DO 10 J=2,6
0065       10 PUPILS(7,T)=PUPILS(7,T)+PUPILS(J,T)
0066       PUPILS(8,T)=(ATTPT/100.)*(PUPILS(7,T)+PUPWGT(1,1)*PUPILS(1,T))
0067       PUPILS(7,T)=PUPILS(7,T)+PUPILS(1,T)
0068       DO 11 I=1,3
0069       PUPILS(I+9,T)=0.
0070       DO 11 J=1,6
0071       11 PUPILS(I+9,T)=PUPILS(I+8,T)+PUPWGT(I,J)*PUPILS(J,T)
0072       12 PUPILS(12,T)=(ATTPT/100.)*PUPILS(11,T)
C     PRINT THE ENROLLMENT FORECAST REPORT
0073       IPGE=1
0074       WRITE(6,152)(TITLE(J),J=1,10),IPGE
0075       152 FORMAT(1H1,35X,10A4,30X,4HPAGE,I3)
0076       WRITE(6,73)(YTITLE(J),J=1,6)
0077       73 FORMAT(1H0,41X,13HENROLLMENT FORECAST/1H0,24X,6(9X,A4))
0078       DO 100 J=1,12
0079       100 WRITE(6,13)(ETITLE(J,JJ),JJ=1,6),(PUPILS(J,T),T=1,H)
0080       13 FORMAT(1H0,6A4,6(3X,F10.2))
0081       WRITE(6,194)
0082       194 FORMAT(///1H ,19X,15HSUBSIDIARY DATA)
0083       WRITE(6,195)ATTPT
0084       195 FORMAT(1H0,18HATTENDANCE PERCENT,F10.2/1H0,25X,12HSTAFF WEIGHT,3X,
     1     14HFINANCE WEIGHT,3X,14HSUBSIDY WEIGHT)
0085       DO 196 J=1,6
0086       196 WRITE(6,197)(ETITLE(J,JJ),JJ=1,6),(PUPWGT(I,J),I=1,3)
0087       197 FORMAT(1H ,6A4,3X,F7.3,2(10X,F7.3))
C     ADD WEIGHTED VOC.-TECH. ENROLLMENT TO SEC. ED. ENROLLMENT FOR USE
C          LATER IN CALCULATING SEC. ED. PUPILS/TEACHER AND NON-SALARY
C     COST PER PUPIL.
0088       DO 14 T=1,H
0089       14 PUPILS(3,T)=PUPILS(3,T)+VOTWGT*PUPILS(4,T)
C     READ CY MANPOWER
0090       READ(5,15)(MNPOWR(I,J,1),J=1,17)
0091       15 FORMAT(20F4.0)
C     READ TURNOVER RATES FOR NON-TEACHER POSITIONS
0092       READ(5,15)(TRATE(J),J=1,17)
0093       READ CY SALARY, CY NON-SALARY, AND CY-YS CAPITAL OUTLAY BY PROGRAM
0094       READ(5,17)((PRGCST(I,P,J,1),J=1,2),(PRGCST(I,P,3,T),T=1,H)),
     1     P=1,23)
0095       17 FORMAT(8F10.0)
C     READ CY-YS DEBT SERVICE
0096       READ(5,17)(DBTSFP(I,T),T=1,H)
C     SET NUMBER OF PROGRAMS WITH CONSTANT NON-SALARY COSTS = 3
C     SET THE INDICES OF THESE 3 PROGRAMS-PUPIL TRANSPORTATION,
C          FACILITIES, AND FIXED CHARGES
C     SET AMOUNTS TO BE HELD CONSTANT
0097      NPLVL=3
0098      NPRGLVL(1)=19
0099      NPRGLVL(2)=21
0100      NPRGLVL(3)=22
0101      READ(5,17)(NPTLVL(J),J=1,NPLVL)
C     DEFINE CONSTANT NON-SALARY COST REPORT
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```
0101          CALL OHTLE(1)
0102          WRITE(6,191)
0103      191 FORMAT(1H0,8X,30HNON-SALARY COSTS HELD CONSTANT)
0104          DO 192 J=1,NPLVL
0105          P=PRGLVL(J)
0106      192 WRITE(6,193)(PTITLE(P,JJ),JJ=1,7),AMTLVL(J)
0107      193 FORMAT(1H0,7A4,7X,F12.2)
        C     BASE CASE PROJECTION
        C     CLASSROOMS HELD CONSTANT
0108          DO 19 T=2,H
0109          CLSRMS(1,T)=CLSRMS(1,1)
        C     INFLATE EXPENDITURES CURR. MATLS., SUPPLIES, LIBRARY BOOKS
0110       19 ECMSLB(1,T)=INFLAT(2,T)*ECMSLB(1,1)
        C     INFLATE PROGRAM COSTS
0111          DO 20 J=1,2
0112          DO 20 P=1,23
0113          IF((J.EQ.1).OR.(NPLVL.EQ.0))GO TO 21
0114          DO 22 N=1,NPLVL
0115          IF(P.EQ.PRGLVL(N))GO TO 23
0116       22 CONTINUE
0117       21 DO 24 T=2,H
0118       24 PRGCST(1,P,J,T)=INFLAT(J,T)*PRGCST(1,P,J,1)
0119          GO TO 20
0120       23 DO 25 T=2,H
0121       25 PRGCST(1,P,J,T)=INFLAT(J,T)*(PRGCST(1,P,J,1)-AMTLVL(N))+AMTLVL(N)
0122       20 CONTINUE
        C     MANPOWER HELD CONSTANT
0123          DO 29 T=2,H
0124          DO 29 J=1,17
0125       29 MNPOWR(1,J,T)=MNPOWR(1,J,1)
        C     READ UNCALCULATABLE INDICATORS CY-Y5
0126          READ(5,18)(INDCTR(1,3,T),T=1,H),((INDCTR(1,I,T),T=1,H),I=7,12)
0127       18 FORMAT(6F8.0)
        C     READ DESIRED INDICATOR LEVELS, IF OPTION CALLED FOR.
0128          IF(ICLGAP.EQ.1)READ(5,18)((INDCTR(3,I,T),T=1,H),I=1,12)
        C     TOTAL PROGRAM COSTS, CALCULATE HIRES, AND PRINT PROGRAM COST
        C          REPORT AND MANPOWER REPORT
0129          CALL SMPRNT(1,1)
        C     CALCULATE AND PRINT INDICATORS AND GAPS
0130          CALL CALIND(1,1,ICLGAP)
        C     ADJUSTED BASE CASE PROJECTION
        C     CALCULATE CY RATIO FIXED CHARGES SALARY TO TOTAL SALARY LESS
        C          FIXED CHARGES, MEDICAL, AND DENTAL SALARIES
0131          TOTSAL=PRGCST(1,24,1,1)
0132          DO 57 P=1,23
0133       57 IF(PRGMPR(P,1).EQ.0)TOTSAL=TOTSAL-PRGCST(1,P,1,1)
0134          PRSSC(1,1)=PRGCST(1,22,1,1)/TOTSAL
        C     HOLD RATIO FIXED CHARGES SALARY CONSTANT CY-Y5
0135          DO 28 T=2,H
0136       28 PRSSC(1,T)=PRSSC(1,1)
0137          IF(IINSAL.EQ.0)GO TO 76
        C     IF ENTERING SALARY OPTION USED, READ CY ENTERING SALARY/TEACHER
0138          READ(5,16)(SALPM(2,J),J=1,6)
0139       16 FORMAT(6F6.0)
        C     READ INFLATION PERCENT ON ENTERING SALARY/TEACHER
0140          READ(5,4)INFLAT(4,2)
        C     MAKE INFLATION PERCENT INTO MULTIPLICATIVE FACTORS
0141          INFLAT(4,2)=1.+INFLAT(4,2)/100.
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0142          DO 77 T=3,H
0143       77 INFLAT(4,T)=INFLAT(4,2)*INFLAT(4,T-1)
           C  IF DROP-OUT SALARY OPTION USED, READ CY DROP-OUT SALARY/TEACHER
0144       76 IF(IINSAL.EQ.2)READ(5,16)(SALPM(3,J),J=1,6)
           C  READ PERCENT RIDING, CY BUSES, SEATS/BUS, TRIPS/BUS, CAPITAL
           C       OUTLAY/BUS Y1-Y5
0145          READ(5,170)RIDPCT,BUSES(1),STSPB,ANTRPS,(CLYPBS(T),T=2,H)
0146      170 FORMAT(9F6.0)
           C  IF VOC.-TECH. OUTSIDE, PUPIL-TEACHER RATIOS,ETC., ONLY APPLIES FOR
           C       FIRST 3 INSTRUCTIONAL PROGRAMS. IF INSIDE, FIRST 4.
0147          JU=3
0148          IF(IVOTIN.EQ.1)JU=4
0149          DO 31 J=1,JU
           C  SET PROGRAM CODE
0150          P=J+5
           C  SET MANPOWER CODE
0151          JJ=J+2
0152          IF((MNPOWR(1,JJ,1).GT.0.0).AND.(PUPILS(J,1).GT.0.0))GO TO 80
           C  IF THERE ARE NO TEACHERS OR PUPILS, SKIP THE PROGRAM, I.E., ABC=BC
           C  ZERO VARIABLES FOR PRINT PURPOSES
0153          PTR(J)=0.0
0154          SALPM(1,J)=0.0
0155          SALPM(2,J)=0.0
0156          SALPM(3,J)=0.0
0157          NSCPP(J)=0.0
0158          GO TO 31
           C  CALCULATE CY PUPIL-TEACHER RATIO
0159       80 PTR(J)=PUPILS(J,1)/MNPOWR(1,JJ,1)
           C  CALCULATE CY MEAN SALARY/TEACHER
0160          SALPM(1,J)=PRGCST(1,P,1,1)/MNPOWR(1,JJ,1)
           C  IF NOT USE ENTERING OR DROP-OUT SALARY/TEACHER OPTIONS, SET
           C       ENTERING AND DROP-OUT SALARY/TEACHER = MEAN SALARY/TEACHER
0161          IF(IINSAL.EQ.0)SALPM(2,J)=SALPM(1,J)
0162          IF(IINSAL.LE.1)SALPM(3,J)=SALPM(1,J)
           C  CALCULATE NON-SALARY COST/PUPIL
0163          NSCPP(J)=PRGCST(1,P,2,1)/PUPILS(J,1)
           C  MNTEMP STORES THE NUMBER OF TEACHERS BY YEAR ENTERING (1 = CY OR
           C       BEFORE, 2=Y1, ...., 6=Y5) WHO REMAIN THRU THE YEAR IN QUESTION
           C  STORE CY TEACHERS IN MNTEMP(1)
0164          MNTEMP(1)=MNPOWR(1,JJ,1)
0165          DO 81 T=2,H
           C  CALCULATE TEACHER POSITIONS IN YEAR T
0166          MNPOWR(1,JJ,T)=PUPILS(J,T)/PTR(J)
           C  IF ROUND-UP OPTION USED, ROUND-UP TEACHER POSITIONS
0167          IF(IRNDMP.GT.0)CALL RNDUP(MNPOWR(1,JJ,T))
           C  CALCULATE FRACTION WHO REMAIN FROM PREVIOUS YEAR
0168          TR=1.-(INDCTR(1,7,T-1)/100.)
           C  CALCULATE TOTAL TO BE HIRED OR FIRED
0169          TEMP=MNPOWR(1,JJ,T)-TR*MNPOWR(1,JJ,T-1)
           C  ABCMEN RETURNS TEACHERS WHO REMAIN FROM PRIOR YEARS PLUS NEWLY
           C       HIRED IN MNTEMP AND DROP-OUTS FROM CY TEACHERS IN TEMP2
0170          CALL ABCMEN(T,TR,TEMP,MNTEMP,TEMP2)
           C  CALCULATE SALARIES FOR CY TEACHERS
0171          PRGCST(1,P,1,T)=INFLAT(1,T)*SALPM(1,J)*MNTEMP(1)+
             1                INFLAT(1,T)*(SALPM(1,J)-SALPM(3,J))*TEMP2
           C  ADD IN SALARIES DUE TO TEACHERS HIRED SINCE CY
0172          DO 86 TT=2,T
0173       86 PRGCST(1,P,1,T)=PRGCST(1,P,1,T)+INFLAT(1,T-TT+1)*INFLAT(4,TT)*
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                 1                                  SALPM(2,J)*MNTEMP(TT)
            C      CALCULATE NON-SALARY COST
0174           81 PRGCST(1,P,2,T)=INFLAT(2,T)*NSCPP(J)*PUPILS(J,T)
0175           31 CONTINUE
            C      FOR EARLY CHILDHOOD, CALCULATE WEIGHTED PUPIL-TEACHER RATIO AND
            C           NON-SALARY COST/PUPIL FOR REPORTING PURPOSES
0176              PTR(1)=PUPWGT(1,1)*PTR(1)
0177              NSCPP(1)=NSCPP(1)/PUPWGT(2,1)
0178              IF(IVOTIN.EQ.1)GO TO 32
            C      IF VOC.-TECH. OUTSIDE, DO THE FOLLOWING
            C      ZERO VARIABLES FOR REPORTING PURPOSES
0179              PTR(4)=0.0
0180              SALPM(1,4)=0.0
0181              SALPM(2,4)=0.0
0182              SALPM(3,4)=0.0
0183              IF(PUPILS(4,1).GT.0.0)GO TO 82
            C      IF NO  VOC.-TECH. PUPILS, SKIP THE PROGRAM, I.E., ABC=BC
0184              NSCPP(4)=0.0
0185              GO TO 32
            C      CALCULATE NON-SALARY COST/PUPIL IN CY
0186           82 NSCPP(4)=PRGCST(1,9,2,1)/PUPILS(4,1)
            C      CALCULATE NON-SALARY COST Y1-Y5
0187              DO 33 T=2,H
0188           33 PRGCST(1,9,2,T)=INFLAT(3,T)*NSCPP(4)*PUPILS(4,T)
            C      TREAT SPECIAL ED. AS OTHER INSTRUCTION PROGRAMS EXCEPT THE PUPILS
            C           TO BE USED IS WEIGHTED COMBINATION OF SPEC. ED. 1-6 AND
            C           SPEC. ED. 7-12 PUPILS
0189           32 IF((MNPOWR(1,7,1).GT.0.0).AND.((PUPILS(5,1).GT.0.0).OR.
                 1                                  (PUPILS(6,1).GT.0.0)))GO TO 83
0190              PTR(5)=0.0
0191              SALPM(1,5)=0.0
0192              SALPM(2,5)=0.0
0193              SALPM(3,5)=0.0
0194              NSCPP(5)=0.0
0195              GO TO 84
0196           83 PTR(5)=(PUPWGT(1,5)*PUPILS(5,1)+PUPWGT(1,6)*PUPILS(6,1))/
                 1                                                  MNPOWR(1,7,1)
0197              SALPM(1,5)=PRGCST(1,10,1,1)/MNPOWR(1,7,1)
0198              IF(IINSAL.EQ.0)SALPM(2,5)=SALPM(1,5)
0199              IF(IINSAL.LE.1)SALPM(3,5)=SALPM(1,5)
0200              NSCPP(5)=PRGCST(1,10,2,1)/(PUPWGT(2,5)*PUPILS(5,1)+PUPWGT(2,6)*
                 1                                                  PUPILS(6,1))
0201              MNTEMP(1)=MNPOWR(1,7,1)
0202              DO 34 T=2,H
0203              MNPOWR(1,7,T)=(PUPWGT(1,5)*PUPILS(5,T)+PUPWGT(1,6)*PUPILS(6,T))/
                 1                                                  PTR(5)
0204              IF(IRNDMP.GT.0)CALL RNDUP(MNPOWR(1,7,T))
0205              TR=1.-(INDCTR(1,7,T-1)/100.)
0206              TEMP=MNPOWR(1,7,T)-TR*MNPOWR(1,7,T-1)
0207              CALL ABCMEN(T,TR,TEMP,MNTEMP,TEMP2)
0208              PRGCST(1,10,1,T)=INFLAT(1,T)*SALPM(1,5)*MNTEMP(1)+
                 1                  INFLAT(1,T)*(SALPM(1,5)-SALPM(3,5))*TEMP2
0209              DO 97 TT=2,T
0210           97 PRGCST(1,10,1,T)=PRGCST(1,10,1,T)+INFLAT(1,T-TT+1)*INFLAT(4,TT)*
                 1                                  SALPM(2,5)*MNTEMP(TT)
0211           34 PRGCST(1,10,2,T)=INFLAT(2,T)*NSCPP(5)*
                 1                  (PUPWGT(2,5)*PUPILS(5,T)+PUPWGT(2,6)*PUPILS(6,T))
            C      NO CONTINUING PROGRAM IN ABC PROJECTION
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              C     ZERO VARIABLES FOR REPORTING PURPOSES
0212             94 PTR(6)=0.
0213                SALPM(1,6)=0.0
0214                SALPM(2,6)=0.0
0215                SALPM(3,6)=0.0
0216                NSCPP(6)=0.
              C     PRINT ABC TITLE
0217                CALL DHTLE(2)
              C     FOR ALL THE INSTRUCTION PROGRAMS, DO THE FOLLOWING
0218                DO 120 J=1,5
              C     PRINT PROGRAM NAME
0219                WRITE(6,121)(PTITLE(J+5,JJ),JJ=1,7)
0220            121 FORMAT(1H0,25X,27HSUBSIDIARY DATA ON PROGRAM-,7A4)
              C     PRINT PUPIL-TEACHER RATIO
0221                WRITE(6,122)PTR(J)
0222            122 FORMAT(1H ,19HPUPIL-TEACHER RATIO,F10.2)
              C     PRINT YEAR TITLES
0223                WRITE(6,123)(YTITLE(JJ),JJ=1,6)
0224            123 FORMAT(1H ,33X,6(7X,A4))
              C     CALCULATE MEAN SALARY/TEACHER Y1-Y5 FOR PRINTING
0225                DO 140 T=1,H
0226            140 PGSALS(1,T)=SALPM(1,J)*INFLAT(1,T)
              C     PRINT MEAN SALARY/TEACHER Y1-Y5
0227                WRITE(6,101)(PGSALS(1,T),T=1,H)
0228            101 FORMAT(1H ,33HMEAN SALARY/TCHER IN SYSTEM AT CY,6(3X,F8.2))
              C     IF DROP-OUT SALARY/TEACHER OPTION NOT USED OR THE PROGRAM DID NOT
              C          TAKE PART IN ABC SALARY PROJECTION BECAUSE OF NO TEACHERS OR
              C          PUPILS WERE SPECIFIED OR IF THE PROGRAM IS VOC.-TECH. AND IT
              C          IS OUTSIDE, DO NOT CALCULATE AND PRINT ENTERING
              C          SALARY/TEACHER
0229                IF(IINSAL.NE.2)GO TO 85
0230                DO 146 T=2,H
0231            146 PGSALS(1,T)=SALPM(3,J)*INFLAT(1,T)
0232                WRITE(6,147)(PGSALS(1,T),T=2,H)
0233            147 FORMAT(1H ,33HDEPARTING SAL/TCHER FOR CY TCHERS,11X,5(3X,F8.2))
0234             85 IF(((IINSAL.EQ.0).OR.(SALPM(2,J).EQ.0.0))GO TO 124
              C     CALCULATE ENTERING SALARY/TEACHER BY YEAR ENTERED OVER TIME
0235                DO 141 T=2,H
0236                DO 141 TT=T,H
0237            141 PGSALS(T,TT)=SALPM(2,J)*INFLAT(4,T)*INFLAT(1,TT-T+1)
              C     PRINT THE ENTERING SALARY/TEACHER TRIANGULAR MATRIX
0238                WRITE(6,125)(PGSALS(2,T),T=2,H)
0239            125 FORMAT(1H ,29HSALARY/TEACHER ENTERING IN Y1,15X,5(3X,F8.2))
0240                WRITE(6,126)(PGSALS(3,T),T=3,H)
0241            126 FORMAT(1H ,29HSALARY/TEACHER ENTERING IN Y2,26X,4(3X,F8.2))
0242                WRITE(6,127)(PGSALS(4,T),T=4,H)
0243            127 FORMAT(1H ,29HSALARY/TEACHER ENTERING IN Y3,37X,3(3X,F8.2))
0244                WRITE(6,128)(PGSALS(5,T),T=5,H)
0245            128 FORMAT(1H ,29HSALARY/TEACHER ENTERING IN Y4,48X,2(3X,F8.2))
0246                WRITE(6,129)PGSALS(6,6)
0247            129 FORMAT(1H ,29HSALARY/TEACHER ENTERING IN Y5,59X,3X,F8.2)
              C     CALCULATE NON-SALARY COST/PUPIL Y1-Y5 AND PRINT, USING THE 3RD
              C          INFLATION FACTOR IF THE  PROGRAM IS VOC.-TECH. AND IT IS
              C          OUTSIDE
0248            124 JJ=2
0249                IF((J.EQ.4).AND.(IVOTIN.EQ.0))JJ=3
0250                DO 142 T=1,H
0251            142 PGNSAL(1,T)=NSCPP(J)*INFLAT(JJ,T)
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0252          120 WRITE(6,130)(PGNSAL(1,T),T=1,H)
0253          130 FORMAT(1H ,21HNON-SALARY COST/PUPIL,12X,6(3X,F8.3))
              C   CALCULATE INSTRUCTIONAL SUPPORT CY NON-SALARY COST/PUPIL USING
              C        TOTAL WEIGTED (FINANCE) ENROLLMENT
0254              NSCPP(7)=PRGCST(1,12,2,1)/PUPILS(10,1)
0255              DO 103 T=2,H
              C   CALCULATE NON-SALARY COST Y1-Y5
0256              PRGCST(1,12,2,T)=INFLAT(2,T)*NSCPP(7)*PUPILS(10,T)
              C   CALCULATE CURR. MATLS., SUPPLIES, LIB. BKS./WEIGHTED PUPIL Y1-Y5
              C        IN ABC
0257              INDCTR(1,5,T)=INFLAT(2,T)*INDCTR(1,5,T-1)
              C   CALCULATE THE DOLLAR EXPENDITURE ON THESE MATERIALS
0258          103 ECMSLB(1,T)=INDCTR(1,5,T)*PUPILS(10,T)
0259              WRITE(6,121)(PTITLE(12,JJ),JJ=1,7)
              C   PRINT YEAR TITLES
0260              WRITE(6,123)(YTITLE(JJ),JJ=1,6)
              C   CALCULATE NON-SALARY COST/PUPIL Y1-Y5 AND PRINT
0261              DO 143 T=1,H
0262          143 PGNSAL(1,T)=NSCPP(7)*INFLAT(2,T)
0263              WRITE(6,130)(PGNSAL(1,T),T=1,H)
              C   MEDICAL AND DENTAL PROGRAMS IN ABC
0264              DO 56 J=8,9
0265              P=J+6
              C   CALCULATE CY SALARY COST/PUPIL USING TOTAL WEIGHTED (STAFF)
              C        ENROLLMENT
0266              SLCPP(J-7)=PRGCST(1,P,1,1)/PUPILS(9,1)
              C   CALCULATE CY NON-SALARY COST/PUPIL USING TOTAL WEIGHTED (FINANCE)
              C        ENROLLMENT
0267              NSCPP(J)=PRGCST(1,P,2,1)/PUPILS(10,1)
0268              DO 56 T=2,H
              C   CALCULATE SALARY COST Y1-Y5
0269              PRGCST(1,P,1,T)=INFLAT(1,T)*SLCPP(J-7)*PUPILS(9,T)
              C   CALCULATE NON-SALARY COST Y1-Y5
0270           56 PRGCST(1,P,2,T)=INFLAT(2,T)*NSCPP(J)*PUPILS(10,T)
0271              DO 131 J=8,9
              C   PRINT PROGRAM TITLE
0272              WRITE(6,121)(PTITLE(J+6,JJ),JJ=1,7)
              C   PRINT YEAR TITLES
0273              WRITE(6,123)(YTITLE(JJ),JJ=1,6)
              C   CALCULATE AND PRINT Y1-Y5 SALARY COST/PUPIL
0274              DO 144 T=1,H
0275          144 PGSALS(1,T)=SLCPP(J-7)*INFLAT(1,T)
0276              WRITE(6,132)(PGSALS(1,T),T=1,H)
0277          132 FORMAT(1H ,17HSALARY COST/PUPIL,16X,6(3X,F8.3))
              C   CALCULATE AND PRINT Y1-Y5 NON-SALARY COST/PUPIL
0278              DO 145 T=1,H
0279          145 PGNSAL(1,T)=NSCPP(J)*INFLAT(2,T)
0280          131 WRITE(6,130)(PGNSAL(1,T),T=1,H)
              C   THE TEST ON USING BUSING PROCEDURES IN ABC IS WETHER THE RIDING
              C        PERCENT IS ZERO OR POSITIVE.
0281              IF(RIDPCT.EQ.0.0)GO TO 180
0282              DO 171 T=1,H
              C   RIDERS EQUALS AN INPUT PERCENTAGE OF TOTAL ENROLLMENT LESS 1/2
              C        KINDERGARTEN IF SINGLE SESSION
0283              RIDERS(T)=PUPILS(7,T)
0284              IF(PUPWGT(1,1).LT.1.0)RIDERS(T)=RIDERS(T)-PUPWGT(1,1)*PUPILS(1,T)
0285          171 RIDERS(T)=(RIDPCT/100.)*RIDERS(T)
0286              IF(MNPOWR(1,15,1).LT.0.0)GO TO 241
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0287          PGNSAL(1,1)=PRGCST(1,19,2,1)/RIDERS(1)
0288          DO 242 T=2,H
0289          PGNSAL(1,T)=INFLAT(2,T)*PGNSAL(1,1)
0290      242 PRGCST(1,19,2,T)=PGNSAL(1,T)*RIDERS(T)
0291          GO TO 243
        C     CALCULATE CY SALARY/BUS DRIVER
0292      241 PGSALS(1,1)=PRGCST(1,19,1,1)/MNPOWR(1,15,1)
        C     CALCULATE CY NON-SALARY COST/BUS
0293          PGNSAL(1,1)=PRGCST(1,19,2,1)/BUSES(1)
0294          CAPCTY(2,1)=ANTRPS*STSPB*BUSES(1)
0295          DO 240 T=2,H
        C     CALCULATE TOTAL CAPACITY BEFORE ADDING BUSES BY THE PRODUCT OF
        C          TRIPS/BUS, SEATS/BUS, AND NUMBER OF BUSES
0296          CAPCTY(1,T)=ANTRPS*STSPB*BUSES(T-1)
        C     CALCULATE ADDITIONAL BUSES. NOTE THE TRUNCATION. IT MEANS THERE
        C          MAY BE EXCESS RIDERS TO THE MAXIMUM OF ONE BUS CAPACITY
0297          J=(RIDERS(T)-CAPCTY(1,T))/(ANTRPS*STSPB)
0298          TEMP=J
        C     IF ADDITIONAL BUSES IS NEGATIVE, ZERO IT
0299          IF(TEMP.LT.0.0)TEMP=0.0
        C     CALCULATE CAPACITY AFTER ADDING BUSES
0300          CAPCTY(2,T)=CAPCTY(1,T)+ANTRPS*STSPB*TEMP
        C     ADD THE BUSES
0301          BUSES(T)=BUSES(T-1)+TEMP
        C     ADD THE BUS DRIVERS
0302          MNPOWR(1,15,T)=MNPOWR(1,15,T-1)+TEMP
        C     CALCULATE SALARY/BUS DRIVER Y1-Y5
0303          PGSALS(1,T)=INFLAT(1,T)*PGSALS(1,1)
        C     CALCULATE SALARY COST
0304          PRGCST(1,19,1,T)=PGSALS(1,T)*MNPOWR(1,15,T)
        C     CALCULATE NON-SALARY COST/BUS Y1-Y5
0305          PGNSAL(1,T)=INFLAT(2,T)*PGNSAL(1,1)
        C     CALCULATE NON-SALARY COST
0306          PRGCST(1,19,2,T)=PGNSAL(1,T)*BUSES(T)
        C     CALCULATE ADDITIONAL CAPITAL OUTLAY
0307      240 PRGCST(1,19,3,T)=PRGCST(1,19,3,T)+CLYPBS(T)*TEMP
        C     PRINT PUPIL TRANSPORTATION PROGRAM TITLE
0308      243 WRITE(6,121)(PTITLE(I9,JJ),JJ=1,7)
        C     PRINT YEAR TITLES
0309          WRITE(6,123)(YTITLE(JJ),JJ=1,6)
        C     PRINT RIDERS CY-Y5
0310          WRITE(6,172)(RIDERS(T),T=1,H)
0311      172 FORMAT(1H ,6HRIDERS,27X,6(3X,F8.2))
0312          IF(MNPOWR(1,15,1).GT.0.0)GO TO 244
0313          WRITE(6,245)(PGNSAL(1,T),T=1,H)
0314      245 FORMAT(1H ,21HNON-SALARY COST/RIDER,12X,6(3X,F8.2))
0315          GO TO 180
        C     PRINT CAPACITY BEFORE AND AFTER ADDING BUSES Y1-Y5
0316      244 WRITE(6,173)(CAPCTY(1,T),T=2,H)
0317      173 FORMAT(1H ,28HCAPACITY BEFORE ADDING BUSES,16X,5(3X,F8.2))
0318          WRITE(6,174)(CAPCTY(2,T),T=1,H)
0319      174 FORMAT(1H ,27HCAPACITY AFTER ADDING BUSES, 6X,6(3X,F8.2))
        C     PRINT BUSES CY-Y5
0320          WRITE(6,175)(BUSES(T),T=1,H)
0321      175 FORMAT(1H ,5HBUSES,28X,6(3X,F8.2))
        C     PRINT CY-Y5 SALARY/BUS DRIVER
0322          WRITE(6,176)(PGSALS(1,T),T=1,H)
0323      176 FORMAT(1H ,17HSALARY/BUS DRIVER,16X,6(3X,F8.2))
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                C     PRINT NON-SALARY COST/BUS CY-Y5
0324                  WRITE(6,177)(PGNSAL(1,T),T=1,H)
0325            177 FORMAT(1H ,19HNON-SALARY COST/BUS,14X,6(3X,F8.2))
                C     PRINT CAPITAL OUTLAY/BUS Y1-Y5
0326                  WRITE(6,178)(CLYPBS(T),T=2,H)
0327            178 FORMAT(1H ,18HCAPITAL OUTLAY/BUS,26X,5(3X,F8.2))
                C     CALCULATE FOOD SERVICE NON-SALARY COST/PUPIL USING TOTAL WEIGHTED
                C          (FINANCE) ENROLLMENT
0328            180 PGNSAL(1,1)=PRGCST(1,20,2,1)/PUPILS(10,1)
0329                  DO 179 T=2,H
                C     CALCULATE NON-SALARY COST/PUPIL Y1-Y5
0330                  PGNSAL(1,T)=INFLAT(2,T)*PGNSAL(1,1)
                C     CALCULATE NON-SALARY COST
0331            179 PRGCST(1,20,2,T)=PGNSAL(1,T)*PUPILS(10,T)
                C     PRINT PROGRAM TITLE
0332                  WRITE(6,121)(PTITLE(20,JJ),JJ=1,7)
                C     PRINT YEAR TITLES
0333                  WRITE(6,123)(YTITLE(JJ),JJ=1,6)
                C     PRINT NON-SALARY COST/PUPIL CY-Y5
0334                  WRITE(6,130)(PGNSAL(1,T),T=1,H)
                C     PRINT FIXED CHARGES PROGRAM TITLE
0335                  WRITE(6,121)(PTITLE(22,JJ),JJ=1,7)
                C     PRINT FIXED CHARGES RATIO
0336                  WRITE(6,30)RRSSC(1,1)
0337             30 FORMAT(1H ,82HCY FIXED CHARGES SALARY/TOTAL SALARY - FIXED CHARGES
                   1, MEDICAL, AND DENTAL SALARIES,F12.4)
                C     CALCULATE ABC FIXED CHARGES SALARY COST Y1-Y5
0338                  DO 36 T=2,H
0339                  TOTSAL=0.
0340                  DO 37 P=1,23
0341             37 IF(PRGMPR(P,1).GT.0)TOTSAL=TOTSAL+PRGCST(1,P,1,T)
0342             36 PRGCST(1,22,1,T)=RRSSC(1,T)*TOTSAL
                C     TOTAL PROGRAM COSTS, CALCULATE HIRES, AND PRINT PROGRAM COST
                C          REPORT AND MANPOWER REPORT
0343                  CALL SMPRNT(1,2)
                C     CALCULATE AND PRINT INDICATORS AND GAPS
0344                  CALL CALIND(1,2,ICLGAP)
                C     FINAL BASE CASE PROJECTION
                C     INIALIZE TOTAL NUMBER OF PROGRAM CHANGES
0345                  NPLST=0
                C     READ THE NUMBER OF FBC OPERATIONS AND CAPITAL IMPROVEMENT PROJECTS
0346                  READ(5,2)NCPIMP
0347              2 FORMAT(I2)
                C     IF NO PROJECTS,  GO TO REVENUE FORECAST
0348                  IF(NCPIMP.EQ.0)GO TO 42
                C     THE INDEX OF THE INDICATOR CHANGES IS 1
                C     ZERO CHANGES IN INDICATORS. THE PART OF PACOMB USED FOR INDICATORS
                C          IS NOT USED IN FBC
0349                  DO 48 J=1,7
0350                  DO 48 T=2,H
0351             48 PAINDR(1,J,T)=0.0
                C     FOR EACH PROJECT, DO THE FOLLOWING
0352                  DO 43 N=1,NCPIMP
                C     PRINT FBC TITLE
0353                  CALL CHTLE(3)
                C     READ PROJECT TITLE
0354                  READ(5,151)(PACPTL(1,J),J=1,10)
                C     PRINT PROJECT NUMBER AND TITLE
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0355          WRITE(6,160)N,(PACPTL(1,J),J=1,10)
0356      160 FORMAT(1H0,5X,49HOPERATIONS OR CAPITAL IMPROVEMENT PROJECT NUMBER
             1,I2,5X,10A4)
        C     READ ADDITIONAL CLASSROOMS AVAILABLE BEGINNING WHAT YEAR
0357          READ(5,44)IYEAR,ACLSRM
0358       44 FORMAT(I2,F6.0)
        C     INCREMENT YEAR. REMEMBER, COMPUTER-WISE, 1=CY, 2=Y1,...,6=Y5
0359          IYEAR=IYEAR+1
        C     PRINT ADDITIONAL ROOMS AND WHEN AVAILABLE
0360          WRITE(6,161)ACLSRM,YTITLE(IYEAR)
0361      161 FORMAT(1H0,F6.0,21H CLASSROOMS BEGINNING,A4)
        C     ADD THE ROOMS TO TOTAL ROOMS
0362          DO 45 T=IYEAR,H
0363       45 CLSRMS(1,T)=CLSRMS(1,T)+ACLSRM
        C     READ THE TOTAL NUMBER OF PROGRAM CHANGES DUE TO THIS CAP. IMP.
0364          READ(5,2)NPROG
        C     READ AND PRINT THE PROGRAM CHANGES
0365          DO 46 J=1,NPROG
0366       46 CALL PGINPT
        C     STORE THE YEAR WHEN ROOMS AVAILABLE AS THE INITIAL YEAR OF THE
        C          INDICATOR CHANGES OF THIS CAP. IMP. THIS IS NOT REALLY USED
        C          BECAUSE INDICATOR CHANGES ARE ASSUMED ZERO.
0367          INDYR(1)=IYEAR-1
        C     NUMBER OF PROGRAM CHANGES TO BE COMBINED EQUALS TOTAL NUMBER OF
        C          PROGRAM CHANGES PREVIOUSLY STORED.
0368          NPRGST=NPLST
        C     STORE THE INDICES OF THESE CHANGES.
0369          DO 47 J=1,NPRGST
0370       47 PRGSET(J)=J
        C     COMBINE THE PROGRAM AND INDICATOR CHANGES WITH THE ABOVE
        C          PROGRAM  COSTS, MANPOWER, AND INDICATORS.
0371          CALL PACOMB(1,NPRGST,1)
        C     RESET TOTAL NUMBER OF PROGRAM CHANGES
0372       43 NPLST=0
        C     TOTAL PROGRAM COSTS, CALCULATE HIRES, AND PRINT PROGRAM COST
        C          REPORT AND MANPOWER REPORT
0373          CALL SMPRNT(1,3)
        C     CALCULATE AND PRINT INDICATORS AND GAPS
0374          CALL CALIND(1,3,ICLGAP)
        C     REVENUE FORECAST
0375       42 CALL DHTLE(3)
0376          RVENUE(1,1)=0.0
        C     ZERO SURPLUS FROM CY ASSUMED
0377          SPLSCY=0.0
        C     READ ESTATE TAX REVENUE FORECAST
0378          WRITE(6,203)(YTITLE(J),J=2,H)
0379      203 FORMAT(1H0,46X,16HREVENUE FORECAST/1H0,47X,15HREAL ESTATE TAX/1H0,
             132X,5(11X,A4))
        C     READ AND PRINT Y1-Y5 DISTRICT REAL PROPERTY MARKET VALUE AND
        C          Y1-Y5 ASSESSMENT RATIO
0380          READ(5,49)(RLPRPV(1,T),T=2,H),(ASSPCT(T),T=2,H)
0381       49 FORMAT(5F9.0/5F5.0)
0382          WRITE(6,204)(RLPRPV(1,T),T=2,H)
0383      204 FORMAT(1H0,30HDIST. REAL PROPERTY MKT. VALUE,2X,5(3X,F12.2))
0384          WRITE(6,202)(ASSPCT(T),T=2,H)
0385      202 FORMAT(1H0,16HASSESSMENT RATIO,16X,5(8X,F7.3))
        C     CALCULATE AND PRINT TAXABLE ASSESSED VALUE
0386          DO 206 T=2,H
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0387          206 RVPMLL(T)=ASSPCT(T)*RLPRPV(1,T)
0388              WRITE(6,207)(RVPMLL(T),T=2,H)
0389          207 FORMAT(1H0,22HTAXABLE ASSESSED VALUE,10X,5(3X,F12.2))
            C     READ CY REAL ESTATE TAX RATE (MILLS), COLLECTION PERCENT, AND
            C           Y1-Y5 ADJUSTMENTS TO THE GROSS REAL ESTATE TAX
0390              READ(5,208)RESTTX(1),COLPCT,(ADJMNT(T),T=2,H)
0391          208 FORMAT(2F5.0/5F9.0)
0392              DO 209 T=2,H
            C     CALCULATE REVENUE/MILL
0393              RVPMLL(T)=RVPMLL(T)/1000.
            C     CALCULATE ASSESSED TAX
0394          209 RVENUE(1,T)=RVPMLL(T)*RESTTX(1)
            C     PRINT REVENUE/MILL, CY TAX RATE, AND ASSESSED TAX
0395              WRITE(6,210)(RVPMLL(T),T=2,H)
0396          210 FORMAT(1H0,12HREVENUE/MILL,20X,5(3X,F12.2))
0397              WRITE(6,211)RESTTX(1),(RVENUE(1,T),T=2,H)
0398          211 FORMAT(1H0,19HCY TAX RATE (MILLS),F9.2/1H0,12HASSESSED TAX,20X,
                 15(3X,F12.2))
            C     CALCULATE GROSS ASSESSED TAX
0399              DO 212 T=2,H
0400          212 RVENUE(1,T)=(COLPCT/100.)*RVENUE(1,T)
            C     PRINT COLLECTION PERCENT AND GROSS ASSESSED TAX
0401              WRITE(6,213)COLPCT,(RVENUE(1,T),T=2,H)
0402          213 FORMAT(1H0,18HCOLLECTION PERCENT,F9.2/1H0,18HGROSS ASSESSED TAX,
                 114X,5(3X,F12.2))
            C     CALCULATE TOTAL REAL ESTATE TAX REVENUE AT CY RATE
0403              DO 214 T=2,H
0404          214 RVENUE(1,T)=RVENUE(1,T)+ADJMNT(T)
            C     PRINT ADJUSTMENTS
0405              WRITE(6,215)(ADJMNT(T),T=2,H)
0406          215 FORMAT(1H0,11HADJUSTMENTS,21X,5(3X,F12.2))
            C     PRINT TOTAL REAL ESTATE TAX REVENUE AT CY RATE
0407              WRITE(6,205)(RVENUE(1,T),T=2,H)
0408          205 FORMAT(1H0,32HTOTAL REAL ESTATE TAX AT CY RATE,5(3X,F12.2))
            C     BASIC INSTRUCTIONAL SUBSIDY FORECAST
0409              CALL CHTLE(3)
0410              WRITE(6,216)(YTITLE(J),J=2,H)
0411          216 FORMAT(1H0,46X,16HREVENUE FORECAST/1H0,40X,27HBASIC INSTRUCTIONAL
                 1SUBSIDY/1H0,32X,5(11X,A4))
            C     PRINT DISTRICT REAL PROPERTY MARKET VALUE
0412              WRITE(6,204)(RLPRPV(1,T),T=2,H)
            C     PRINT WEIGHTED ADM
0413              WRITE(6,217)(ETITLE(12,J),J=1,6),(PUPILS(12,T),T=2,H)
0414          217 FORMAT(1H0,6A4,8X,5(3X,F12.2))
            C     READ Y1-Y5 STATE REAL PROPERTY MARKET VALUE/PUPIL,
            C           Y1-Y5 SUBSIDY/PUPIL, AND Y1-Y5 ADJUSTMENTS TO STATE SHARE OF
            C           DISTRICT FOUNDATION
0415              READ(5,218)(RLPRPV(2,T),T=2,H),(SBDYPP(T),T=2,H),(ADJMNT(T),T=2,H)
0416          218 FORMAT(5F6.0/5F4.0/5F9.0)
0417              DO 219 T=2,H
            C     CALCULATE DISTRICT REAL PROPERTY MARKET VALUE/PUPIL
0418              RLPRPV(1,T)=RLPRPV(1,T)/PUPILS(12,T)
            C     CALCULATE DISTRICT/STATE REAL PROPERTY MARKET VALUE/PUPIL RATIO
0419          219 ASSPCT(T)=RLPRPV(1,T)/RLPRPV(2,T)
            C     PRINT DISTRICT AND STATE REAL PROPERTY MARKET VALUE/PUPIL AND
            C           THEIR RATIO
0420              WRITE(6,220)((RLPRPV(J,T),T=2,H),J=1,2),(ASSPCT(T),T=2,H)
0421          220 FORMAT(1H0,32HDIST. PROPERTY MKT. VALUE/PUPIL ,5(3X,F12.2)/
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      1(H),32HSTATE PROPERTY MKT. VALUE/PUPIL ,5(3X,F12.2)/
      2(H),17HDIST./STATE RATIO,15X,5(5X,F10.6))
C     CALCULATE AND PRINT THE DISTRICT SHARE
      DO 221 T=2,H
  221 ASSPCT(T)=.5*ASSPCT(T)
      WRITE(6,222)(ASSPCT(T),T=2,H)
  222 FORMAT(1H0,14HDISTRICT SHARE,18X,5(5X,F10.6))
      DO 223 T=2,H
C     CALCULATE THE AID RATIO
      ASSPCT(T)=1.-ASSPCT(T)
C     CALCULATE THE DISTRICT FOUNDATION
  223 RVENUE(2,T)=SBDYPP(T)*PUPILS(12,T)
C     PRINT AID RATIO, SUBSIDY/PUPIL AND DISTRICT FOUNDATION
      WRITE(6,224)(ASSPCT(T),T=2,H),(SBDYPP(T),T=2,H),
     1(RVENUE(2,T),T=2,H)
  224 FORMAT(1H0,9HAID RATIO,23X,5(5X,F10.6)/1H0,19HSTATE SUBSIDY/PUPIL,
     113X,5(7X,F8.2)/1H0,19HDISTRICT FOUNDATION,13X,5(3X,F12.2))
C     CALCULATE AND PRINT STATE SHARE OF DISTRICT FOUNDATION
      DO 225 T=2,H
  225 RVENUE(2,T)=ASSPCT(T)*RVENUE(2,T)
      WRITE(6,226)(RVENUE(2,T),T=2,H)
  226 FORMAT(1H0,32HSTATE SHARE OF DIST. FOUNDATION ,5(3X,F12.2))
C     CALCULATE NET INSTRUCTIONAL SUBSIDY
      DO 227 T=2,H
  227 RVENUE(2,T)=RVENUE(2,T)+ADJMNT(T)
C     PRINT ADJUSTMENTS
      WRITE(6,215)(ADJMNT(T),T=2,H)
C     PRINT NET INSTRUCTIONAL SUBSIDY
      WRITE(6,228)(RVENUE(2,T),T=2,H)
  228 FORMAT(1H0,32HNET STATE INSTRUCTIONAL SUBSIDY ,5(3X,F12.2))
C     TOTAL REVENUE FORECAST
      CALL DHTLE(3)
      WRITE(6,229)(YTITLE(J),J=2,H)
  229 FORMAT(1H0,46X,16HREVENUE FORECAST/1H0,47X,13HTOTAL REVENUE/
     11H0,32X,5(11X,A4))
C     PRINT TOTAL REAL ESTATE TAX REVENUE AT CY RATE
      WRITE(6,205)(RVENUE(1,T),T=2,H)
C     PRINT NET INSTRUCTIONAL SUBSIDY
      WRITE(6,228)(RVENUE(2,T),T=2,H)
C     READ TOTAL OTHER REVENUE Y1-Y5
      READ(5,249)(OTHREV(T),T=2,H)
  249 FORMAT(5F9.0)
C     CALCULATE TOTAL REVENUE
      DO 230 T=2,H
  230 RVENUE(1,T)=RVENUE(1,T)+RVENUE(2,T)+OTHREV(T)
C     PRINT TOTAL OTHER REVENUE
C     PRINT TOTAL REVENUE AT CY REAL ESTATE TAX RATE
      WRITE(6,231)(OTHREV(T),T=2,H),(RVENUE(1,T),T=2,H)
  231 FORMAT(1H0,19HTOTAL OTHER REVENUE,13X,5(3X,F12.2)/1H0,
     129HTOTAL REVENUE AT CY R.E. RATE,3X,5(3X,F12.2))
C     CALCULATE Y1-Y5 SURPLUSES, DEFICITS, AND TAX RATES
      CALL REVALT(I,3)
C     INPUT OPERATIONS PROJECT ALTERNATIVES
C     READ TOTAL NUMBER OF OPERATIONS PROJECT ALTERNATIVES
      READ(5,2)NPANCI
      IF(NPANCI.EQ.0)GO TO 38
C     FOR EACH OPERATIONS PROJECT ALTERNATIVE, DO THE FOLLOWING
      DO 39 K=1,NPANCI
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0455          IPGE=IPGE+1
0456          WRITE(6,162)(OTITLE(J),J=1,10),IPGE
0457      162 FORMAT(1H1,28X,10A4,3X,31HOPERATIONS PROJECT ALTERNATIVES,13X,
             14HPAGE,I3)
        C     READ OPERATIONS PROJECT ALTERNATIVE TITLE
0458          READ(5,151)(PACPTL(N,J),J=1,10)
0459          WRITE(6,163)N,(PACPTL(N,J),J=1,10)
0460      163 FORMAT(1H0,5X,38HOPERATIONS PROJECT ALTERNATIVE NUMBER ,I2,5X,
             110A4)
        C     STORE THE INDEX OF THE FIRST PROGRAM CHANGE OF THIS OPERATIONS
        C          PROJECT ALTERNATIVE
0461          PGSTRT(N)=NPLST+1
        C     READ THE TOTAL NUMBER OF PROGRAM CHANGES
0462          READ(5,2)NPROG
        C     READ AND PRINT THE PROGRAM CHANGES AND FIND THE YEAR OF THE
        C          EARLIEST PROGRAM CHANGE. THIS YEAR IS ASSUMED TO BE
        C          THE FIRST YEAR OF THE INDICATOR CHANGES OF THE OPERATIONS
        C          PROJECT ALTERNATIVE
0463          IYEAR=H-1
0464          DO 58 J=1,NPROG
0465          CALL PGINPT
0466       58 IF(PGYEAR(NPLST).LT.IYEAR)IYEAR=PGYEAR(NPLST)
        C     STORE THE INDEX OF THE LAST PROGRAM CHANGE OF THIS OPERATIONS
        C          PROJECT ALTERNATIVE
0467          PGEND(N)=NPLST
        C     INCREMENT YEAR
0468          IYEAR=IYEAR+1
        C     READ AND PRINT THE INDICATOR CHANGES OF THIS OPERATIONS PROJECT
        C          ALTERNATIVE
0469          WRITE(6,200)(YTITLE(JJ),JJ=IYEAR,H)
0470          DO 55 J=1,7
0471          READ(5,19)(PAINDP(N,J,T),T=IYEAR,H)
0472          I=J+5
0473          IF(J.EQ.1)I=3
0474       55 WRITE(6,201)(ITITLE(I,JJ),JJ=1,10),(PAINDP(N,J,T),T=IYEAR,H)
        C     STORE THE YEAR OF THESE INDICATOR CHANGES
0475       39 INDYR(N)=IYEAR-1
        C     INPUT CAPITAL IMPROVEMENT PROJECT ALTERNATIVES
        C     READ TOTAL NUMBER OF CAPITAL IMPROVEMENT PROJECT ALTERNATIVES
0476       38 READ(5,2)NCPIMP
0477          IF(NCPIMP.EQ.0)GO TO 59
        C     FOR EACH CAPITAL IMPROVEMENT PROJECT ALTERNATIVE, DO THE FOLLOWING
0478          DO 60 N=1,NCPIMP
0479          IPGE=IPGE+1
0480          WRITE(6,164)(OTITLE(J),J=1,10),IPGE
0481      164 FORMAT(1H1,28X,10A4,3X,40HCAPITAL IMPROVEMENT PROJECT ALTERNATIVES
             1,4X,4HPAGE,I3)
        C     SET TEMPORARY INDEX
0482          NN=NPANCI+N
        C     READ CAPITAL IMPROVEMENT PROJECT ALTERNATIVE TITLE
0483          READ(5,151)(PACPTL(NN,J),J=1,10)
0484          WRITE(6,166)N,(PACPTL(NN,J),J=1,10)
0485      166 FORMAT(1H0,5X,47HCAPITAL IMPROVEMENT PROJECT ALTERNATIVE NUMBER ,
             I12,5X,10A4)
        C     READ AND PRINT ADDITIONAL CLASSROOMS AND WHEN AVAILABLE
0486          READ(5,44)IYEAR,CICLSM(N)
0487          IYEAR=IYEAR+1
0488          WRITE(6,151)CICLSM(N),YTITLE(IYEAR)
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                C     READ AND PRINT ADDITIONAL REVENUE
0489                  READ(5,18)(CIREVU(N,T),T=IYEAR,H)
0490                  WRITE(6,123)(YTITLE(JJ),JJ=IYEAR,H)
0491                  WRITE(6,167)(CIREVU(N,T),T=IYEAR,H)
0492            167 FORMAT(1H ,18HADDITIONAL REVENUE,15X,5F11.2)
                C     STORE THE INDEX OF THE FIRST PROGRAM CHANGE OF THIS CAP. IMP.
0493                  PGSTRT(NN)=NPLST+1
                C     READ NUMBER OF PROGRAM CHANGES
0494                  READ(5,2)NPROG
                C     READ AND PRINT THE PROGRAM CHANGES
0495                  DO 61 J=1,NPROG
0496             61 CALL PGINPT
                C     STORE THE INDEX OF THE LAST PROGRAM CHANGE
0497                  PGEND(NN)=NPLST
                C     READ AND PRINT THE INDICATOR CHANGES
0498                  WRITE(6,200)(YTITLE(JJ),JJ=IYEAR,H)
0499            200 FORMAT(1H0,5X,17HINDICATOR CHANGES/1H ,40X,5(7X,A4))
0500                  DO 52 J=1,7
0501                  READ(5,18)(PAINDR(NN,J,T),T=IYEAR,H)
0502                  I=J+5
0503                  IF(J.EQ.1)I=3
0504             52 WRITE(6,201)(YTITLE(I,JJ),JJ=1,10),(PAINDR(NN,J,T),T=IYEAR,H)
0505            201 FORMAT(1H ,10A4,5(3X,F8.2))
                C     STORE THE FIRST YEAR OF THESE CHANGES
0506             60 INDYR(NN)=IYEAR-1
                C     PROCESS OPERATIONS AND CAPITAL IMPROVEMENT PROJECT ALTERNATIVES
                C     READ TOTAL NUMBER OF ALTERNATIVE SETS
0507             59 READ(5,2)NASETS
0508                  IF(NASETS.EQ.0)GO TO 6
                C     FOR EACH ALTERNATIVE SET, DO THE FOLLOWING
0509                  DO 62 NN=1,NASETS
0510                  DO 67 T=1,H
                C     SET FYP=FBC CLASSROOMS
0511                  CLSRMS(2,T)=CLSRMS(1,T)
                C     SET FYP=FBC EXPENDITURES ON CURRICULUM MATERIALS, SUPPLIES, AND
                C          LIBRARY BOOKS
0512                  ECMSLB(2,T)=ECMSLB(1,T)
                C     SET FYP=FBC PROGRAM COSTS
0513                  DO 68 P=1,24
0514                  DO 68 J=1,4
0515             68 PRGCST(2,P,J,T)=PRGCST(1,P,J,T)
                C     SET FYP=FBC DEBT SERVICE
0516                  DBTSER(2,T)=DBTSER(1,T)
                C     SET FYP=FBC FIXED CHARGES SALARY RATIO
0517                  RRSSC(2,T)=RRSSC(1,T)
                C     SET FYP=FBC REVENUE
0518                  RVENUE(2,T)=RVENUE(1,T)
                C     SET FYP=FBC MANPOWER
0519                  DO 69 J=1,17
0520             69 MNPOWR(2,J,T)=MNPOWR(1,J,T)
                C     SET FYP=FBC INDICATOR LEVELS
0521                  DO 67 I=1,12
0522             67 INDCTR(2,I,T)=INDCTR(1,I,T)
                C     INPUT OPERATIONS PROJECT ALTERNATIVES TO BE INCLUDED IN THIS SET
                C     READ TOTAL NUMBER OF OPERATIONS PROJECT ALTERNATIVES IN THE
                C          ALTERNATIVE SET
0523                  READ(5,2)NINNCI
0524                  IF(NINNCI.EQ.0)GO TO 63
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0525          CALL DHTLE(NN+3)
        C     READ THE INDICES OF THE OPERATIONS PROJECT ALTERNATIVES
0526          READ(5,64)(TPSTCD(N),N=1,NINNCI)
0527       64 FORMAT(40I2)
0528          WRITE(6,165)
0529      165 FORMAT(140,8HINCLUDES)
        C     FOR EACH OPERATIONS PROJECT ALTERNATIVE, DO THE FOLLOWING
0530          DO 72 N=1,NINNCI
0531          J=TPSTCD(N)
        C     PRINT OPERATIONS PROJECT ALTERNATIVE NUMBER AND TITLE
0532          WRITE(6,163)J,(PACPTL(J,JJ),JJ=1,10)
        C     ZERO NUMBER OF PROGRAM CHANGES IN THE ALTERNATIVE SET
0533          NPRGST=0
        C     FIND AND STORE THE INDICES OF THE PROGRAM CHANGES OF THIS
        C          OPERATIONS PROJECT ALTERNATIVE
0534          JJ=PGSTRT(J)-1
0535       73 JJ=JJ+1
0536          IF(JJ.GT.PGEND(J))GO TO 72
0537          NPRGST=NPRGST+1
0538          PRGSET(NPRGST)=JJ
0539          GO TO 73
        C     COMBINE THE PROGRAM CHANGES AND INDICATOR CHANGES WITH THE ABOVE
        C          EXP PROGRAM COSTS, MANPOWER, AND INDICATORS
0540       72 CALL PACCMB(2,NPRGST,J)
        C     INPUT CAPITAL IMPROVEMENT PROJECT ALTERNATIVES TO BE INCLUDED IN
        C          THE SET
        C     READ TOTAL NUMBER OF CAPITAL IMPROVEMENT PROJECT ALTERNATIVES IN
        C          THE SET
0541       63 READ(5,2)NCISET
0542          IF(NCISET.EQ.0)GO TO 71
0543          CALL DHTLE(NN+3)
        C     READ THE INDICES OF CAPITAL IMPROVEMENT PROJECT ALTERNATIVES
0544          READ(5,64)(TPSTCD(N),N=1,NCISET)
0545          WRITE(6,165)
        C     FOR EACH CAPITAL IMPROVEMENT PROJECT ALTERNATIVE, DO THE FOLLOWING
0546          DO 65 N=1,NCISET
0547          J=NPANCI+TPSTCD(N)
        C     PRINT CAPITAL IMPROVEMENT PROJECT ALTERNATIVE NUMBER AND TITLE
0548          WRITE(6,166)TPSTCD(N),(PACPTL(J,JJ),JJ=1,10)
        C     RETRIEVE THE YEAR WHEN ROOMS AVAILABLE
0549          IYEAR=INDYR(J)
0550          IYEAR=IYEAR+1
0551          ACLSRM=CICLSM(J-NPANCI)
0552          DO 66 T=IYEAR,H
        C     ADD THE ROOMS TO TOTAL CLASSROOMS
0553          CLSRMS(2,T)=CLSRMS(2,T)+ACLSRM
        C     ADD THE REVENUE TO TOTAL REVENUE
0554       66 RVENUE(2,T)=RVENUE(2,T)+CIREVU(J-NPANCI,T)
        C     ZERO NUMBER OF PROGRAM CHANGES IN THE ALTERNATIVE SET
0555          NPRGST=0
        C     FIND AND STORE THE INDICES OF THE PROGRAM CHANGES OF THIS CAP.
        C          IMP.
0556          JJ=PGSTRT(J)-1
0557       70 JJ=JJ+1
0558          IF(JJ.GT.PGEND(J))GO TO 65
0559          NPRGST=NPRGST+1
0560          PRGSET(NPRGST)=JJ
0561          GO TO 70
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          C     COMBINE THE PROGRAM AND INDICATOR CHANGES WITH THE ABOVE FYP
          C           PROGRAM COSTS, MANPOWER, AND INDICATORS
0562         65 CALL PACOMB(2,NPRGST,J)
          C     TOTAL PROGRAM COSTS, CALCULATE HIRES, AND PRINT PROGRAM COST
          C           REPORT AND MANPOWER REPORT
0563         71 CALL SMPRNT(2,NN+3)
          C     CALCULATE AND PRINT INDICATORS AND GAPS
0564            CALL CALIND(2,NN+3,ICLGAP)
          C     CALCULATE Y1-Y5 SURPLUSES, DEFICITS, AND TAX RATES
0565         52 CALL REVALT(2,NN+3)
0566          6 CALL EXIT
0567            END
```

```
0001          SUBROUTINE DHTLE(MM)
        C     THIS SUBROUTINE PRINTS A PAGE HEADING CONSISTING OF THE SCHOOL
        C          DISTRICT NAME AND CASE TITLE
        C     MM=1 REPRESENTS RC
        C     MM=2 REPRESENTS ARC
        C     MM=3 REPRESENTS FRC
        C     MM=3+N REPRESENTS ALTERNATIVE CASE NUMBER N
0002          COMMON/CDHTLE/HTITLE(4,6),DTITLE(10),IPGE
0003          IPGE=IPGE+1
0004          IF(MM.GT.3)GO TO 1
0005          WRITE(6,2)(DTITLE(J),J=1,10),(HTITLE(MM,J),J=1,6),IPGE
0006        2 FORMAT(1H1,28X,10A4,3X,6A4,12X,4HPAGE,I3)
0007          GO TO 3
0008        1 MT=MM-3
0009          WRITE(6,4)(DTITLE(J),J=1,10),(HTITLE(4,J),J=1,6),MT,IPGE
0010        4 FORMAT(1H1,28X,10A4,3X,6A4,I2,10X,4HPAGE,I3)
0011        3 RETURN
0012          END
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```
0001          SUBROUTINE RNDUP(X)
        C     THIS SUBROUTINE ROUNDS UP. IF X IS EXACTLY AN INTEGER VALUE, X
        C          REMAINS THE SAME. OTHERWISE, X IS RAISED TO THE NEXT
        C          INTEGER VALUE.
0002          I=X
0003          Y=I
0004          IF(X.EQ.Y)GO TO 1
0005          X=Y+1.
0006        1 RETURN
0007          END
```

```
0001          SUBROUTINE ABCMEN(T,TR,TEMP,MNTEMP,TEMP2)
        C     THIS SUBROUTINE IS USED TO CALCULATE THE TEACHER MANPOWER
        C          CORRESPONDING TO COLUMNS OF THE ABC SALARY TRIANGULAR MATRIX.
        C     T IS THE YEAR IN QUESTION
        C     TR IS THE RETENTION RATE FROM YEAR T-1 TO T
        C     TEMP IS THE NUMBER OF TEACHERS WHO MUST BE HIRED (+) OR FIRED(-)
        C          FOR USE OR UN-USE IN YEAR T
        C     AT THE ENTRANCE TO THE SUBROUTINE MNTEMP(1) TO MNTEMP(T-1) HAS
        C          YEAR T-1 TEACHERS WHERE MNTEMP(1) IS THE NUMBER  WHO REMAIN
        C          FROM THE CY, MNTEMP(2) IS THE NUMBER WHO REMAIN FROM THOSE
        C          ENTERING AT Y1,ETC.
0002          INTEGER T,TT,TM
0003          REAL MNTEMP
0004          DIMENSION MNTEMP(6)
        C     SET TEMPORARY TIME SUBSCRIPT
0005          TM=T-1
0006          TEMP2=MNTEMP(1)
        C     APPLY RETENTION RATE TO YEAR T-1 TEACHERS AND STORE IN TEMP2 THE
        C          NUMBER OF CY TEACHERS WHO DROP-OUT FROM T-1 TO T
0007          DO 90 TT=1,TM
0008       90 MNTEMP(TT)=TR*MNTEMP(TT)
0009          TEMP2=TEMP2-MNTEMP(1)
        C     IF TEACHERS MUST BE HIRED, SKIP DOWN TO STATEMENT 91
0010          IF(TEMP.GE.0.0)GO TO 91
        C     TEACHERS MUST BE FIRED, I.E., THE NUMBER OF TEACHING POSITIONS
        C          WAS REDUCED IN YEAR T MORE THAN TURNOVER. THE FOLLOWING LOGIC
        C          ASSUMES THAT THE LOWEST SENIORITY PEOPLE ARE FIRED FIRST, AND
        C          SO ON.
0011          TEMP=-TEMP
0012          MNTEMP(T)=0.0
0013          DO 92 TT=1,TM
0014          TEMP=TEMP-MNTEMP(TM-TT+1)
0015          IF(TEMP.GT.0.0)GO TO 92
0016          MNTEMP(TM-TT+1)=-TEMP
0017          GO TO 95
0018       92 MNTEMP(TM-TT+1)=0.0
0019          WRITE(6,94)
0020       94 FORMAT(1H0,39HERROR***FIRED MORE TEACHERS THAN EMPLOY)
0021          STOP
        C     IF TEACHERS HAVE TO BE HIRED, STORE THE NUMBER HIRED FOR USE IN
        C          YEAR IN MNTEMP(T).
0022       91 MNTEMP(T)=TEMP
0023       95 RETURN
0024          END
```

```
0001          SUBROUTINE PGINPT
        C     THIS SUBROUTINE READS AND PRINTS PROGRAM CHANGES
0002          INTEGER P,H,T,PRGMPR,PGCODE,PGYEAR
0003          REAL INFLAT,MNPOWR,INDCTR
0004          DIMENSION PTCST(6)
0005          REAL MTITLE,ITITLE
0006          COMMON/CTITLE/PTITLE(24,7),STITLE(4),MTITLE(17,7),YTITLE(6),
             1          ITITLE(12,10)
0007          COMMON/CH/H
0008          COMMON/CPINPT/PRGMPR(23,4),INFLAT(4, 6),NPLST,PGCODE(99),
             1     PGYEAR(99),PGMNPR(99,3, 6),PGNSAL(99, 6),PGECMS(99, 6),
             2     PGCOLY(99, 6),PGDBSE(99, 6),PGRRSS(99, 6),PGSALS(99, 6),
             3     PUPWGT(3,6)
0009          COMMON/CCLIND/INDCTR(4,12, 6),PUPILS(12, 6),CLSRMS(2, 6),IVOTIN,
             1     MNPOWR(2,17, 6),ECMSLB(2, 6),PRGCST(2,24,4, 6),DBTSER(2, 6),
             2     TOTCST(2, 6)
        C     INCREMENT TOTAL NUMBER OF PROGRAM CHANGES STORED. THIS IS THE
        C         INDEX OF THE FORTHCOMING PROGRAM CHANGE.
0010          NPLST=NPLST+1
        C     IF IT WILL EXCEED STORAGE, PRINT ERROR MESSAGE AND STOP
0011          IF(NPLST.LE.99)GO TO 1
0012          WRITE(6,2)
0013        2 FORMAT(1H0,39H***ERROR***EXCEEDED PROGRAM LIST LENGTH)
0014          STOP
        C     READ AND STORE PROGRAM CODE AND FIRST YEAR OF THE PROGRAM CHANGE
0015        1 READ(5,3)P,IYEAR
0016        3 FORMAT(2I2)
0017          PGCODE(NPLST)=P
0018          PGYEAR(NPLST)=IYEAR
        C     INCREMENT YEAR. REMEMBER--INTERNALLY 2=Y1,3=Y2,ETC.
0019          IYEAR=IYEAR+1
        C     NMEN HAS NUMBER OF MANPOWER TYPES OF THE PROGRAM
0020          NMEN=PRGMPR(P,1)
0021          IF(NMEN.EQ.0)GO TO 4
        C     IF THERE ARE MANPOWER TYPES,
        C     READ MANPOWER CHANGES AND CALCULATE SALARY COST OF THE PROGRAM
        C         CHANGE
0022          DO 12 T=IYEAR,H
0023       12 PGSALS(NPLST,T)=0.0
0024          DO 10 J=1,NMEN
0025          READ(5,6)(PGMNPR(NPLST,J,T),T=IYEAR,H),SALPM
0026          DO 10 T=IYEAR,H
0027       10 PGSALS(NPLST,T)=PGSALS(NPLST,T)+INFLAT(1,T-IYEAR+1)*SALPM
             1                                    *PGMNPR(NPLST,J,T)
0028          GO TO 5
0029        4 IF((P.NE.14).AND.(P.NE.15))GO TO 5
        C     IF THE PROGRAM HAS NO MANPOWER TYPES BUT IS A MEDICAL OR DENTAL
        C         PROGRAM,
        C     READ SALARY COST INPUT MODE
0030          READ(5,7)MNSAL
0031          IF((MNSAL.EQ.2).OR.(MNSAL.EQ.4))GO TO 14
        C     READ FIRST YEAR TOTAL SALARY COST OR SALARY COST/PUPIL AND INFLATE
0032          READ(5,6)PGSALS(NPLST,IYEAR)
0033          IF(IYEAR.EQ.H)GO TO 13
0034          JJ=IYEAR+1
0035          DO 35 T=JJ,H
0036       35 PGSALS(NPLST,T)=INFLAT(1,T-IYEAR+1)*PGSALS(NPLST,IYEAR)
0037          GO TO 13
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              C     READ FIRST YEAR TOTAL SALARY COST OR SALARY COST/PUPIL OVER TIME
0038             14 READ(5,6)(PGSALS(NPLST,T),T=IYEAR,H)
0039             13 IF(MNSAL.LT.3)GO TO 5
              C     SALARY COST/PUPIL WAS READ IN. MULTIPLY BY TOTAL WEIGHTED (STAFF)
              C          ENROLLMENT TO GET TOTAL SALARY COST
0040                DO 30 T=IYEAR,H
0041             30 PGSALS(NPLST,T)=PGSALS(NPLST,T)*PUPILS(9,T)
              C     IF PROGRAM IS FIXED CHARGES, READ CHANGE IN FIXED CHARGES SALARY
              C          RATIO OVER TIME
0042              5 IF(P.EQ.22)READ(5,6)(PGRRSS(NPLST,T),T=IYEAR,H)
              C     READ NON-SALARY COST INPUT MODE
0043                READ(5,7)MNSAL
0044              7 FORMAT(I1)
0045                IF((MNSAL.EQ.2).OR.(MNSAL.EQ.4))GO TO 8
              C     READ FIRST YEAR TOTAL NON-SALARY COST OR NON-SALARY COST/PUPIL
              C          AND INFLATE AND READ CAPITAL OUTLAY OVER TIME
0046                READ(5,6)PGNSAL(NPLST,IYEAR),(PGCOLY(NPLST,T),T=IYEAR,H)
0047              6 FORMAT(10F8.0)
0048                IF(IYEAR.EQ.H)GO TO 11
0049                JJ=IYEAR+1
0050                DO 9 T=JJ,H
0051              9 PGNSAL(NPLST,T)=INFLAT(2,T-IYEAR+1)*PGNSAL(NPLST,IYEAR)
0052                GO TO 11
              C     READ TOTAL NON-SALARY COST OR NON-SALARY COST/PUPIL OVER TIME AND
              C          READ CAPITAL OUTLAY OVER TIME
0053              8 READ(5,6)(PGNSAL(NPLST,T),T=IYEAR,H),(PGCOLY(NPLST,T),T=IYEAR,H)
0054             11 IF(MNSAL.LT.3)GO TO 31
              C     NON-SALARY COST/PUPIL WAS READ IN. MULTIPLY BY APPROPRIATE PUPIL
              C          BASE
0055                DO 15 T=IYEAR,H
0056                IF(P.GT.5)GO TO 16
0057                GO TO 19
0058             16 IF(P.GT.6)GO TO 24
0059                TEMP=PUPWGT(2,1)*PUPILS(1,T)
0060                GO TO 15
0061             24 IF(P.GT.9)GO TO 17
0062                TEMP=PUPILS(P-5,T)
0063                GO TO 15
0064             17 IF(P.GT.10)GO TO 18
0065                TEMP=PUPWGT(2,5)*PUPILS(5,T)+PUPWGT(2,6)*PUPILS(6,T)
0066                GO TO 15
0067             18 IF(P.GT.11)GO TO 19
0068                TEMP=PUPILS(11,T)
0069                GO TO 15
0070             19 TEMP=PUPILS(10,T)
0071             15 PGNSAL(NPLST,T)=PGNSAL(NPLST,T)*TEMP
              C     IF THE PROGRAM IS INSTRUCTIONAL SUPPORT SERVICES, READ CHANGE IN
              C          EXPENDITURES FOR CURRICULUM MATERIALS, SUPPLIES, AND LIBRARY
              C          BOOKS OVER TIME
0072             31 IF(P.EQ.12)READ(5,6)(PGECMS(NPLST,T),T=IYEAR,H)
              C     IF THE PROGRAM IS FACILITIES, READ CHANGE IN DEBT SERVICE OVER
              C          TIME
0073                IF(P.EQ.21)READ(5,6)(PGDBSE(NPLST,T),T=IYEAR,H)
              C     PRINT THE MANPOWER AND COST CHANGES OF THIS PROGAM CHANGE
0074                WRITE(6,50)(PTITLE(P,J),J=1,7)
0075             50 FORMAT(1H0,5X,18HCHANGE IN PROGRAM-,7A4)
0076                IF(NMEN.EQ.0)GO TO 61
0077                WRITE(6,62)(YTITLE(J),J=IYEAR,H)
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0078      62 FORMAT(1H0,2X,8HMANPOWER,12X,6(11X,A4))
0079         DO 63 J=1,NMEN
0080         JJ=PRGMPR(P,J+1)
0081      63 WRITE(6,64)(MTITLE(JJ,T),T=1,7),(PGMNPR(NPLST,J,T),T=IYEAR,H)
0082      64 FORMAT(1H ,7A4,2X,F7.2,5(3X,F12.2))
0083      61 WRITE(6,51)(YTITLE(J),J=IYEAR,H)
0084      51 FORMAT(1H0,2X,5HCOSTS,15X,6(11X,A4))
0085         IF(P.EQ.22)GO TO 59
0086         WRITE(6,52)(PGSALS(NPLST,T),T=IYEAR,H)
0087      52 FORMAT(1H ,6HSALARY,16X,6(3X,F12.2))
0088      59 WRITE(6,53)(PGNSAL(NPLST,T),T=IYEAR,H)
0089      53 FORMAT(1H ,10HNON-SALARY,12X,6(3X,F12.2))
0090         IF(P.EQ.12)WRITE(6,54)(PGECMS(NPLST,T),T=IYEAR,H)
0091      54 FORMAT(1H ,22HMATLS.,SUPPS.,LIB.BKS.,6(3X,F12.2))
0092         WRITE(6,55)(PGCOLY(NPLST,T),T=IYEAR,H)
0093      55 FORMAT(1H ,14HCAPITAL OUTLAY,8X,6(3X,F12.2))
0094         IF(P.EQ.21)WRITE(6,56)(PGDBSE(NPLST,T),T=IYEAR,H)
0095      56 FORMAT(1H ,12HDEBT SERVICE,10X,6(3X,F12.2))
0096         DO 57 T=IYEAR,H
0097         PTCST(T)=PGNSAL(NPLST,T)+PGCOLY(NPLST,T)
0098         IF(P.NE.22)PTCST(T)=PTCST(T)+PGSALS(NPLST,T)
0099         IF(P.EQ.12)PTCST(T)=PTCST(T)+PGECMS(NPLST,T)
0100      57 IF(P.EQ.21)PTCST(T)=PTCST(T)+PGDBSE(NPLST,T)
0101         WRITE(6,58)(PTCST(T),T=IYEAR,H)
0102      58 FORMAT(1H ,11HTOTAL ABOVE,11X,6(3X,F12.2))
0103         IF(P.EQ.22)WRITE(6,60)(PGRRSS(NPLST,T),T=IYEAR,H)
0104      60 FORMAT(1H0,27HCHANGE IN RATIO F.C. SALARY,3X,F7.4,5(8X,F7.4))
0105         RETURN
0106         END
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0001          SUBROUTINE PACOMB(M,NPRGST,NINDCG)
        C     THIS SUBROUTINE COMBINES PROGRAM CHANGES AND INDICATOR CHANGES OF
        C          OPERATIONS OR CAPITAL IMPROVEMENT PROJECT ALTERNATIVE WITH
        C          PROGRAM COSTS, MANPOWER, AND INDICATORS
0002          INTEGER P,H,T,PRGMPR,PRGSET,PGCODE,PGYEAR,TT
0003          REAL INFLAT,MNPOWR,INDCTR,MNTEMP
0004          COMMON/CH/H
0005          COMMON/CPINPT/PRGMPR(23,4),INFLAT(4, 6),NPLST,PGCODE(99),
             1      PGYEAR(99),PGMNPR(99,3, 6),PGNSAL(99, 6),PGECMS(99, 6),
             2      PGCOLY(99, 6),PGDBSE(99, 6),PGRRSS(99, 6),PGSALS(99, 6),
             3      PUPWGT(3,6)
0006          COMMON/CPACMB/RRSSC(2, 6),SALPM(3,6),PRGSET(99),IINSAL,
             1                PAINDR(99,7, 6),INDYR(99)
0007          COMMON/CCLIND/INDCTR(4,12, 6),PUPILS(12, 6),CLSRMS(2, 6),IVOTIN,
             1      MNPOWR(2,17, 6),ECMSLB(2, 6),PRGCST(2,24,4, 6),DBTSER(2, 6),
             2      TOTCST(2, 6)
0008          DIMENSION MNTEMP(6)
        C     FOR EACH PROGRAM CHANGE, DO THE FOLLOWING
0009          DO 6 N=1,NPRGST
        C     STORE IN J THE INDEX OF THE PROGRAM CHANGE
0010          J=PRGSET(N)
        C     RETRIEVE PROGRAM CODE AND FIRST YEAR OF PROGRAM CHANGE
0011          P=PGCODE(J)
0012          IYEAR=PGYEAR(J)
        C     INCREMENT YEAR, INTERNALLY, 2=Y1, 3=Y2,ETC.
0013          IYEAR=IYEAR+1
        C     NMEN IS NUMBER OF MANPOWER TYPES ASSOCIATED WITH THIS PROGRAM
0014          NMEN=PRGMPR(P,1)
0015          IF(NMEN.EQ.0)GO TO 2
        C     IF THERE ARE MANPOWER TYPES, ADD MANPOWER AND SALARY COSTS
0016          DO 3 T=IYEAR,H
0017          DO 4 NN=1,NMEN
0018          JJ=PRGMPR(P,NN+1)
0019        4 MNPOWR(M,JJ,T)=MNPOWR(M,JJ,T)+PGMNPR(J,NN,T)
0020        3 PRGCST(M,P,1,T)=PRGCST(M,P,1,T)+PGSALS(J,T)
0021          GO TO 1
0022        2 IF((P.NE.14).AND.(P.NE.15))GO TO 1
        C     IF THERE ARE NO MANPOWER TYPES BUT THE PROGRAM IS MEDICAL OR
        C          DENTAL, ADD SALARY COSTS
0023          DO 25 T=IYEAR,H
0024       25 PRGCST(M,P,1,T)=PRGCST(M,P,1,T)+PGSALS(J,T)
        C     ADD NON-SALARY AND CAPITAL OUTLAY COSTS
0025        1 DO 5 T=IYEAR,H
0026          PRGCST(M,P,2,T)=PRGCST(M,P,2,T)+PGNSAL(J,T)
0027        5 PRGCST(M,P,3,T)=PRGCST(M,P,3,T)+PGCOLY(J,T)
0028          IF(P.NE.12)GO TO 12
        C     IF THE PROGRAM IS INSTRUCTIONAL SUPPORT SERVICES, ADD EXPENDITURES
        C          ON CURR. MTLS., SUPPLIES, LIB. BKS. TO TOTAL EXPENDITURES ON
        C          THESE ITEMS AND TO INSTRUCTIONAL SUPPORT NON-SALARY COST
0029          DO 13 T=IYEAR,H
0030          ECMSLB(M,T)=ECMSLB(M,T)+PGECMS(J,T)
0031       13 PRGCST(M,12,2,T)=PRGCST(M,12,2,T)+PGECMS(J,T)
0032       12 IF(P.NE.21)GO TO 9
        C     IF THE PROGRAM IS FACILTIES, ADD DEBT SERVICE
0033          DO 7 T=IYEAR,H
0034        7 DBTSER(M,T)=DBTSER(M,T)+PGDBSE(J,T)
0035        9 IF(P.NE.22)GO TO 6
        C     IF THE PROGRAM IS FIXED CHARGES, ADD FIXED CHARGES SALARY RATIO
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0036          DO 10 T=IYEAR,H
0037       10 RRSSC(M,T)=RRSSC(M,T)+PGRRSS(J,T)
0038        6 CONTINUE
        C     NOW PROCESS THE INDICATOR CHANGES
        C     INITIALIZE FLAG ON WHETHER OR NOT PROF. STAFF TURNOVER IS CHANGED
        C          IN ANY YEAR
0039          ICGTO=0
        C     STORE IN J THE INDEX OF THE SET OF INDICATOR CHANGES
0040          J=NINDCG
        C     RETRIEVE AND INCREMENT THEIR FIRST YEAR
0041          IYEAR=INDYR(J)
0042          IYEAR=IYEAR+1
        C     ADD THE UNCALCULATABLE INDICATOR CHANGES
0043          DO 8 T=IYEAR,H
0044          INDCTR(M,3,T)=INDCTR(M,3,T)+PAINDR(J,1,T)
        C     IF PROF. STAFF TURNOVER IS CHANGED, SET FLAG
0045          IF(PAINDR(J,2,T).NE.0.0)ICGTO=1
0046          DO 8 I=7,12
0047        8 INDCTR(M,I,T)=INDCTR(M,I,T)+PAINDR(J,I-5,T)
        C     IF PROF. STAFF TURNOVER HAS NOT BEEN CHANGED OR NO ENTERING SALARY
        C          PER TEACHER WAS USED IN ABC, SKIP DOWN TO FIXED CHARGES
        C          SALARY CALCULATION
0048          IF((ICGTO.EQ.0).OR.(IINSAL.EQ.0))GO TO 11
        C     THIS LOGIC REDOES ABC TEACHER SALARIES CALCULATIONS
0049          DO 30 J=1,5
        C     SALPM(1,J)=0.0 INDICATES THAT THE PROGRAM J+5 HAS NO TEACHERS AND
        C          SHOULD BE SKIPPED.
0050          IF(SALPM(1,J).EQ.0.0)GO TO 30
        C     SEE COMMENTS IN MAIN DEALING WITH ABC
0051          P=J+5
0052          JJ=J+2
0053          MNTEMP(1)=MNPOWR(M,JJ,1)
0054          DO 31 T=2,H
0055          TR=1.-(INDCTR(M,7,T-1)/100.)
0056          TEMP=MNPOWR(M,JJ,T)-TR*MNPOWR(M,JJ,T-1)
0057          CALL ABCMEN(T,TR,TEMP,MNTEMP,TEMP2)
0058          PRGCST(M,P,1,T)=INFLAT(1,T)*SALPM(1,J)*MNTEMP(1)+
            1                 INFLAT(1,T)*(SALPM(1,J)-SALPM(3,J))*TEMP2
0059          DO 31 TT=2,T
0060       31 PRGCST(M,P,1,T)=PRGCST(M,P,1,T)+INFLAT(1,T-TT+1)*INFLAT(4,TT)*
            1                                 SALPM(2,J)*MNTEMP(TT)
0061       30 CONTINUE
        C     CALCULATE FIXED CHARGES SALARY
0062       11 DO 22 T=2,H
0063          TOTSAL=0.
0064          DO 23 P=1,23
0065       23 IF(PRGMPR(P,1).GT.0)TOTSAL=TOTSAL+PRGCST(M,P,1,T)
0066       22 PRGCST(M,22,1,T)=RRSSC(M,T)*TOTSAL
0067          RETURN
0068          END
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0001          SUBROUTINE SMPRNT(M,MM)
        C     THIS SUBROUTINE TOTALS AND PRINTS PROGRAM COSTS AND CALCULATES
        C          HIRES AND PRINTS MANPOWER POSITIONS AND HIRES
0002          INTEGER P,H,T
0003          REAL INDCTR,MNPOWR
0004          DIMENSION HIRE(17, 6),TMPTOT( 6)
0005          REAL MTITLE,ITITLE
0006          COMMON/CSMPRN/TRATE(17)
0007          COMMON/CTITLE/PTITLE(24,7),STITLE(4),MTITLE(17,7),YTITLE(6),
             1          ITITLE(12,10)
0008          COMMON/CH/H
0009          COMMON/CCLIND/INDCTR(4,12, 6),PUPILS(12, 6),CLSRMS(2, 6),IVOTIN,
             1      MNPOWR(2,17, 6),ECMSLB(2, 6),PRGCST(2,24,4, 6),DBTSER(2, 6),
             2      TOTCST(2, 6)
        C     TOTAL PROGRAM COSTS BY PROGRAM OVER COST CATEGORIES AND BY COST
        C          CATEGORY OVER PROGRAMS
0010          DO 23 T=1,H
0011          DO 25 P=1,23
0012          PRGCST(M,P,4,T)=0.
0013          DO 25 J=1,3
0014       25 PRGCST(M,P,4,T)=PRGCST(M,P,4,T)+PRGCST(M,P,J,T)
0015          DO 24 J=1,4
0016          PRGCST(M,24,J,T)=0.
0017          DO 24 P=1,23
0018       24 PRGCST(M,24,J,T)=PRGCST(M,24,J,T)+PRGCST(M,P,J,T)
0019       23 TOTCST(M,T)=PRGCST(M,24,4,T)+DBTSER(M,T)
        C     PRINT PROGRAM COST REPORT
0020          CALL DHTLE(MM)
0021          WRITE(6,10)(YTITLE(J),J=1,H)
0022       10 FORMAT(1H0,54X,13HPROGRAM COSTS/1H0,32X,6(11X,A4))
0023          DO 26 P=1,24
0024          WRITE(6,27)(PTITLE(P,J),J=1,7),STITLE(1),(PRGCST(M,P,1,T),T=1,H)
0025       27 FORMAT(1H0,8A4,6(3X,F12.2))
0026          DO 26 J=2,4
0027       26 WRITE(6,28)STITLE(J),(PRGCST(M,P,J,T),T=1,H)
0028       28 FORMAT(1H ,28X,A4,6(3X,F12.2))
0029          WRITE(6,29)(DBTSER(M,T),T=1,H)
0030       29 FORMAT(1H0,12HDEBT SERVICE,20X,6(3X,F12.2))
0031          WRITE(6,20)(TOTCST(M,T),T=1,H)
0032       20 FORMAT(1H0,10HTOTAL COST,22X,6(3X,F12.2))
        C     CALCULATE HIRES
0033          DO 1 T=2,H
0034          DO 1 J=1,17
0035          IF((J.GT.2).AND.(J.LT.9))TRATE(J)=INDCTR(M,7,T-1)
0036        1 HIRE(J,T)=MNPOWR(M,J,T)-(1.-(TRATE(J)/100.))*MNPOWR(M,J,T-1)
        C     PRINT MANPOWER REPORT
0037          CALL DHTLE(MM)
0038          WRITE(6,11)(YTITLE(J),J=1,6)
0039       11 FORMAT(1H0,32X,32HMANPOWER (FULL-TIME EQUIVALENTS)/1H0,30X,
             1      6(7X,A4))
0040          DO 4 J=1,17
0041          WRITE(6,30)(MTITLE(J,JJ),JJ=1,7),(MNPOWR(M,J,T),T=1,H)
0042       30 FORMAT(1H0,7A4,2H F,6(3X,F8.2))
0043          IF((J.GT.2).AND.(J.LT.9))GO TO 9
0044          WRITE(6,31)TRATE(J),(HIRE(J,T),T=2,H)
0045       31 FORMAT(1H ,2X,13HTURNOVER RATE,F5.1,8X,2H H,5(3X,F8.2))
0046          GO TO 4
0047        9 WRITE(6,50)(HIRE(J,T),T=2,H)
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0048          50 FORMAT(1H ,2X,15HSFE INDICATOR 7,11X,2H H,5(3X,F8.2))
0049           4 CONTINUE
          C      CALCULATE AND PRINT TOTAL POSITIONS
0050             DO 5 T=1,H
0051             TMPTOT(T)=0.0
0052             DO 5 J=1,17
0053           5 TMPTOT(T)=TMPTOT(T)+MNPOWR(M,J,T)
0054             WRITE(6,6)(TMPTOT(T),T=1,H)
0055           6 FORMAT(1H0,15HTOTAL POSITIONS,15X,6(3X,F8.2))
          C      CALCULATE AND PRINT TOTAL HIRES. IF SOME PERSONNEL HAVE TO BE
          C           FIRED, THEY ARE NOT USED TO REDUCE TOTAL HIRES. IF THEY WERE,
          C           THAT WOULD ASSUME TRANSFERS AMONG MANPOWER TYPES ARE POSSIBLE
0056             DO 7 T=2,H
0057             TMPTOT(T)=0.0
0058             DO 7 J=1,17
0059           7 IF(HIRE(J,T).GT.0.0)TMPTOT(T)=TMPTOT(T)+HIRE(J,T)
0060             WRITE(6,8)(TMPTOT(T),T=2,H)
0061           8 FORMAT(1H0,11HTOTAL HIRES,19X,5(3X,F8.2))
0062             RETURN
0063             END
```

```
0001          SUBROUTINE CALIND(M,MM,ICLGAP)
        C     THIS SUBROUTINE CALCULATES AND PRINTS INDICATORS AND INDICATOR
        C          GAPS
0002          INTEGER H,T
0003          REAL INDCTR,MNPOWR
0004          REAL MTITLE,ITITLE
0005          COMMON/CTITLE/PTITLE(24,7),STITLE(4),MTITLE(17,7),YTITLE(6),
             1              ITITLE(12,10)
0006          COMMON/CH/H
0007          COMMON/CCLIND/INDCTR(4,12, 6),PUPILS(12, 6),CLSRMS(2, 6),IVOTIN,
             1      MNPOWR(2,17, 6),ECMSLB(2, 6),PRGCST(2,24,4, 6),CBTSER(2, 6),
             2      TOTCST(2, 6)
0008          DO 2 T=1,H
        C     CALCULATE EXCESS ENROLLMENT
0009          INDCTR(M,1,T)=PUPILS(8,T)-25.*CLSRMS(M,T)
        C     CALCULATE TEACHERS/1000 WEIGHTED (STAFF) PUPILS
0010          TEMP=0.0
0011          DO 8 J=3,8
0012        8 TEMP=TEMP+MNPOWR(M,J,T)
0013          INDCTR(M,2,T)=TEMP/(PUPILS(9,T)/1000.)
        C     CALCULATE INSTRUCTIONAL SPEC., NURSES, PSYCHOLOGISTS/1000 WEIGHTED
        C          (STAFF) PUPILS
0014          TEMP=0.0
0015          DO 9 J=9,11
0016        9 TEMP=TEMP+MNPOWR(M,J,T)
0017          INDCTR(M,4,T)=TEMP/(PUPILS(9,T)/1000.)
        C     CALCULATE EXPEND. CURR. MATLS., SUPPLIES, LIB. BKS./WEIGHTED
        C          (FINANCE) PUPIL
0018          INDCTR(M,5,T)=ECMSLB(M,T)/PUPILS(10,T)
        C     CALCULATE NET EXPEND./WEIGHTED(FINANCE) PUPIL. NET EXPEND. IS
        C          TOTAL COST LESS VOC.-TECH. NON-SALARY COST, IF VOC.-TECH.
        C          IS OUTSIDE
0019          TEMP=TOTCST(M,T)
0020          IF(IVOTIN.GT.0)GO TO 2
0021          TEMP=TEMP-PRGCST(M,9,2,T)
0022        2 INDCTR(M,6,T)=TEMP/PUPILS(10,T)
        C     PRINT INDICATOR REPORT
0023          CALL DHTLE(MM)
0024          WRITE(6,10)(YTITLE(J),J=1,6)
0025       10 FORMAT(1H0,41X,10HINDICATORS/1H0,40X,6(7X,A4))
0026          DO 6 I=1,12
0027        6 WRITE(6,4)(ITITLE(I,J),J=1,10),(INDCTR(M,I,T),T=1,H)
0028        4 FORMAT(1H0,10A4,6(3X,F8.2))
0029          WRITE(6,16)(CLSRMS(M,T),T=1,H)
0030       16 FORMAT(///1H0,36X,15HSUBSIDIARY DATA/1H0,10HCLASSROOMS,30X,
             1        6(3X,F8.2))
0031          WRITE(6,17)(ECMSLB(M,T),T=1,H)
0032       17 FORMAT(1H0,22HMATLS.,SUPPS.,LIB.BKS.,18X,6F11.2)
0033          IF(ICLGAP.EQ.0)GO TO 7
        C     IF DESIRED INDICATOR LEVELS WERE INPUTED, CALCULATE AND PRINT
        C          INDICATOR GAPS REPORT. GAP=DESIRED-CALCULATED
0034          DO 1 I=1,12
0035          DO 1 T=1,H
0036        1 INDCTR(4,I,T)=INDCTR(3,I,T)-INDCTR(M,I,T)
0037          CALL DHTLE(MM)
0038          WRITE(6,11)(YTITLE(J),J=1,6)
0039       11 FORMAT(1H0,40X,14HINDICATOR GAPS/1H0,42X,6(7X,A4))
0040          DO 3 I=1,12
```

```
0041          WRITE(6,12)(ITITLE(I,J),J=1,10),(INDCTR(3,I,T),T=1,H)
0042       12 FORMAT(1H0,10A4,2H D,6(3X,F8.2))
0043          WRITE(6,5)(INDCTR(N,I,T),T=1,H)
0044        5 FORMAT(1H ,40X,2H A,6(3X,F8.2))
0045        3 WRITE(6,13)(INDCTR(4,I,T),T=1,H)
0046       13 FORMAT(1H ,40X,2H G,6(3X,F8.2))
0047        7 RETURN
0048          END
```

```
0001          SUBROUTINE REVALT(M,MM)
        C     THIS SUBROUTINE CALCULATES SURPLUSES, DEFICITS, AND REAL ESTATE
        C          TAX RATES AND PRINTS REVENUE FEASIBILITY REPORT
0002          INTEGER H,T
0003          REAL INDCTR,MNPCWR
0004          REAL MTITLE,ITITLE
0005          COMMON/CTITLE/PTITLE(24,7),STITLE(4),MTITLE(17,7),YTITLE(6),
             1            ITITLE(12,10)
0006          COMMON/CH/H
0007          COMMON/CCLIND/INDCTR(4,12, 6),PUPILS(12, 6),CLSRMS(2, 6),IVOTIN,
             1      MNPOWR(2,17, 6),ECMSLB(2, 6),PRGCST(2,24,4, 6),DBTSER(2, 6),
             2      TOTCST(2, 6)
0008          COMMON/CREVAL/RVENUE(2, 6),RVPMLL( 6),RESTTX( 6),COLPCT,SPLSCY
0009          DIMENSION DFICIT(2, 6),TXCG( 6),TVPMLL( 6)
        C     THIS LOGIC ASSUMES SURPLUSES ARE CARRIED FORWARD FROM ONE YEAR TO
        C          THE NEXT AND TAX RATES DO NOT FALL
        C     SURPLUS CARRIED FORWARD FROM CY
0010          DFICIT(2,1)=SPLSCY
0011          DO 1 T=2,H
        C     CALCULATE YEAR T SURPLUS OR DEFICIT BEFORE CHANGING TAX RATES
0012          DFICIT(1,T)=RVENUE(M,T)-TOTCST(M,T)+DFICIT(2,T-1)
0013          DFICIT(2,T)=0.0
0014        1 IF(DFICIT(1,T).GT.0.0)DFICIT(2,T)=DFICIT(1,T)
0015          CALL DHTLE(MM)
0016          WRITE(6,12)(YTITLE(J),J=2,H)
0017       12 FORMAT(1H0,47X,19HREVENUE FEASIBILITY/1H0,39X,5(11X,A4))
0018          WRITE(6,53)(RVENUE(M,T),T=2,H)
0019       53 FORMAT(1H0,35HTOTAL REVENUE AT CY REAL ESTATE TAX,4X,5(3X,F12.2))
0020          J=H-1
0021          WRITE(6,2)(DFICIT(2,T),T=1,J)
0022        2 FORMAT(1H0,23HSURPLUS FROM PRIOR YEAR,16X,5(3X,F12.2))
0023          WRITE(6,61)(TOTCST(M,T),T=2,H)
0024       61 FORMAT(1H0,10HTOTAL COST,29X,5(3X,F12.2))
0025          WRITE(6,54)(DFICIT(1,T),T=2,H)
0026       54 FORMAT(1H0,39HSURPLUS(+),DEFICIT(-) AT CY TAX RATE   ,5(3X,F12.2))
0027          DO 52 T=2,H
        C     CALCULATE COLLECTED REVENUE/MILL
0028          TVPMLL(T)=(COLPCT/100.)*RVPMLL(T)
0029          DFICIT(2,T)=RVENUE(M,T)-TOTCST(M,T)+DFICIT(2,T-1)
        C     SET YEAR T TAX RATE = YEAR T-1 TAX RATE
0030          RESTTX(T)=RESTTX(T-1)
        C     IF WE HAVE A SURPLUS BEFORE CHANGING RATES, SKIP DOWN AND
        C          CALCULATE SURPLUS AFTER CHANGING TAX RATES
0031          IF(DFICIT(2,T).GE.0.0)GO TO 50
        C     WE HAVE A DEFICIT. TEMP IS THE TAX RATE WHICH WOULD WIPE OUT THE
        C          DEFICIT
0032          TEMP=RESTTX(1)-(DFICIT(1,T)/TVPMLL(T))
        C     IF THE TEMP RATE IS GREATER THAN YEAR T-1 TAX RATE, THEN USE
        C          TEMP RATE AS YEAR T TAX RATE
0033          IF(TEMP.GT.RESTTX(T))RESTTX(T)=TEMP
        C     CALCULATE INCREASED REVENUE IN YEAR T
0034       50 TEMP=TVPMLL(T)*(RESTTX(T)-RESTTX(1))
        C     CALCULATE SURPLUS AFTER CHANGING TAX RATE AND ZERO IF LESS THAN
        C          TOLERANCE OF 100. THIS SURPLUS IS CARRIED FORWARD.
0035          DFICIT(2,T)=DFICIT(2,T)+TEMP
0036          IF(ABS(DFICIT(2,T)).LT.100.)DFICIT(2,T)=0.0
        C     CALCULATE TOTAL REVENUE
0037       52 DFICIT(1,T)=RVENUE(M,T)+TEMP
```

```
0038          WRITE(6,57)(YTITLE(J),J=1,H)
0039       57 FORMAT(////1H0,35X,A4,5(11X,A4))
0040          WRITE(6,58)(RESTTX(T),T=1,H)
0041       58 FORMAT(1H0,28HREAL ESTATE TAX RATE (MILLS),4X,F7.2,5(3X,F12.2))
        C     CALCULATE AND PRINT YEAR TO YEAR TAX RATE CHANGES
0042          DO 59 T=2,H
0043       59 TXCG(T)=RESTTX(T)-RESTTX(T-1)
0044          WRITE(6,60)(TXCG(T),T=2,H)
0045       60 FORMAT(1H0,19HYEAR TO YEAR CHANGE,20X,5(3X,F12.2))
0046          WRITE(6,3)(YTITLE(T),T=2,H)
0047        3 FORMAT(////1H0,39X,5(11X,A4))
0048          WRITE(6,4)(DFICIT(1,T),T=2,H)
0049        4 FORMAT(1H0,37HTOTAL REVENUE AT Y1-Y5 R.E. TAX RATES,2X,
            1       5(3X,F12.2))
0050          J=H-1
0051          WRITE(6,2)(DFICIT(2,T),T=1,J)
0052          WRITE(6,61)(TOTCST(M,T),T=2,H)
0053          WRITE(6,5)(DFICIT(2,T),T=2,H)
0054        5 FORMAT(1H0,31HSURPLUS AT Y1-Y5 R.E. TAX RATES,8X,5(3X,F12.2))
0055          WRITE(6,64)(YTITLE(T),T=2,H)
0056       64 FORMAT(////1H0,49X,15HSUBSIDIARY DATA/1H0,39X,5(11X,A4))
0057          WRITE(6,62)(FVPMLL(T),T=2,H)
0058       62 FORMAT(1H0,12HREVENUE/MILL,27X,5(3X,F12.2))
0059          WRITE(6,63)COLPCT
0060       63 FORMAT(1H0,18HCOLLECT PERCENTAGE,5X,F12.2)
0061          WRITE(6,65)(TVPMLL(T),T=2,H)
0062       65 FORMAT(1H0,22HCOLLECTED REVENUE/MILL,17X,5(3X,F12.2))
0063          RETURN
0064          END
```

Variable Dictionary of the Computer Program

The following abbreviations are used in the variable dictionary:

BC represents Base Case

ABC represents Adjusted Base Case

FBC represents Final Base Case

FYP represents Five Year Plan

For the purposes of the variable dictionary, the computer processing is essentially of two parts: (1) the processing up through the FBC, and (2) the processing up through one or a number of FYP's.

Variable	Definition
ACLSRM	Classrooms added by a FBC Capital Improvement Project.
ADJMNT (I)	Total dollar adjustments, either plus or minus, to the gross assessed real estate tax or to the state share of the district foundation in calculating the basic instructional subsidy. Subscript I ranges over years.
AMTLVL (I)	Non-Salary cost to be held constant in BC. The index of the program corresponding to AMTLVL(I) is in PRGLVL(I). Subscript I ranges over the number of these pairs: (PRGLVL(I), AMTLVL(I)).
ANTRPS	Average number of morning trips per bus.
ASSPCT(I)	Assessment ratio in the real estate tax forecast and various ratios in the basic instructional subsidy calculation. Subscript I ranges over years.
ATTPT	Attendance percent. ADM equals this percentage of total enrollment taking

	into account whether Kindergarten is single or double session.
BUSES(I)	Number of buses. Subscript I ranges over years.
CAPCTY(I,II)	Total busing capacity. Subscript I=1 represents before adding buses and I=2 after adding buses. Subscript II ranges over years.
CICLSM(I)	Classrooms added by Capital Improvement Project Alternative Number I in the FYP part of the process.
CIREVU(I,II)	Revenue added by Capital Improvement Project Alternative Number I in the FYP. Subscript II ranges over years.
CLSRMS(I,II)	Total classrooms. Subscript I=1 represents FBC. I=2 represents FYP. Subscript II ranges over years.
CLYPBS(I)	Capital Outlay per bus. Subscript I ranges over years.
CØLPCT	Collection percent, used to reduce (entered) revenue per mill because of inability to collect all taxes levied.
DBTSER(I,II)	Total debt service. Subscript I=1 represents FBC. I=2 represents FYP. Subscript II ranges over years.
DFICIT(I,II)	Surplus(+), Deficit(-). Subscript I=1 represents before changing tax rates. I=2 represents after changing tax rates. Subscript II ranges over years.
DTITLE(I)	School district name and other leading information, e.g., run number, date. Subscript I ranges over locations storing the characters.
ECMSLB(I,II)	Total expenditures for curriculum materials, supplies, and library books. Subscript I=1 represents FBC. I=2 represents FYP. Subscript II ranges over years.
ETITLE(I,II)	Enrollment Titles. Subscript I ranges over the type of enrollment, e.g.,

	Kindergarten, ADM. Subscript II ranges over locations necessary to store the characters of each title.
H	Total number of years in the FYP plus the current year, e.g., 6.
HIRE(I,II)	Total number of personnel that must be hired (+) or fired (-). Subscript I ranges over manpower types. Subscript II ranges over years.
HTITLE(I,II)	Case Titles: BC, ABC, FBC, and Alternative Case Number. Subscript I ranges over the cases. Subscript II ranges over locations necessary to store the characters.
I	Temporary index.
ICGTØ	Temporary flag indicating whether or not a set of indicator changes (either due to an operations or capital improvement project alternative in FYP) caused the professional staff turnover rate to change.
ICLGAP	Option flag for indicator gaps. ICLGAP = 0 represents <u>not</u> inputing desired indicator levels and <u>not</u> calculating gaps. ICLGAP = 1 represents inputing desired indicator levels and calculating gaps.
IECED	Option flag on Early Childhood. IECED = 0 represents single session. IECED = 1 represents double session.
IINSAL	Option flag on ABC teacher salaries. IINSAL = 0 represents no entering and no dropout salary/teacher. IINSAL = 1 represents entering but no dropout salary/teacher. IINSAL= 2 represents entering and dropout salary/teacher.
INDCTR(I,II,III)	Indicator levels. Subscript I=1 represents FBC. I=2 represents FYP. I=3 represents desired levels. I=4 represents gaps (desired - actual). Subscript II ranges over the indicators. Subscript III ranges over years.

INDYR(I)	The index of the beginning year of the indicator changes corresponding to operations and capital improvement project alternatives from which alternative sets are formed. Subscript I ranges over these operations and capital improvement project alternatives.
INFLAT(I,II)	Inflation multiplicative factors. Subscript I=1 represents salary. I=2 represents non-salary. I=3 represents Vocational-Technical non-salary, if outside school district. I=4 represents entering salary. Subscript II ranges over years.
IPGE	Page number.
IRNDUP	Round-up option flag. IRNDUP = 0 represents no round-up. IRNDUP = 1 represents round-up.
ITITLE(I,II)	Indicator titles. Subscript I ranges over the indicators. Subscript II ranges over the locations necessary for storing the characters.
IVØTIN	Vocational-Technical option flag. IVØTIN = 0 represents Vocational-Technical program outside the school district. IVØTIN = 1 represents Vocational-Technical program inside the school district.
IYEAR	Temporary variable having a year index value.
J	Temporary index.
JU	Temporary index.
JJ	Temporary index.
M	Temporary index. M=1 represents FBC. M=2 represents FYP.
MM	Temporary index representing which case heading (HTITLE) is to be printed.
MNPØWR(I,II,III)	Full-time equivalent manpower. Subscript I=1 represents FBC. I=2

represents FYP. Subscript II ranges over the manpower types. Subscript III ranges over years.

MNSAL — Option flag on the input of the non-salary cost change due to a program change. MNSAL = 1 represents inputing first year total non-salary cost change and having it inflated over time. MNSAL = 2 represents inputing total non-salary cost change over time. MNSAL = 3 represents inputing first year per pupil non-salary cost change and having it inflated and multiplied by pupils. MNSAL = 4 represents inputing per pupil non-salary cost change over time and having them multiplied by pupils. Which pupils are concerned, depends upon the program that is being changed. MNSAL also applies to the Medical and Dental salary cost.

MNTEMP(I) — Temporary manpower variable used in dealing with the entering-dropout salary/teacher part of the process. MNTEMP is the teacher manpower that corresponds to a column of the "Salary Triangle" as seen on the ABC output. Subscript I=1 represents teachers who were in the school district in the CY. I=2 represents teachers who enter Y1.... I=6 represents teachers who entered Y5.

MT — Temporary index of the number of the alternative set which results are being printed.

MTITLE(I,II) — Manpower titles. Subscript I ranges over manpower types. Subscript II ranges over the locations necessary for storing the characters.

N — Temporary index.

NASETS — Number of alternative sets.

NCISET — Number of capital improvement project alternatives in the alternative set being considered.

NCPIMP — Total number of capital improvement projects in the FBC and total number of

	capital improvement project alternatives from which alternative sets will be formed.
NINDCG	The number of the set of indicator changes of an operations or capital improvement project alternative.
NINNCI	Number of operations project alternatives in the alternative set.
NMEN	Temporary variable used to store the number of manpower types corresponding to a program, e.g., a value from the first column of PRGMPR.
NN	Temporary index.
NPANCI	Total number of operations project alternatives from which alternative sets are formed.
NPLST	Total number of program changes of the operations and capital improvement project alternatives.
NPLVL	Number of programs with constant non-salary costs in BC.
NPRGST	Total number of program changes in an alternative set.
NPRØG	Total number of program changes of an operations or capital improvement project alternative.
NSCPP(I)	CY non-salary cost/pupil or /bus in ABC. Subscript I ranges over programs.
ØTHREV(I)	Total revenue other than real estate tax revenue and basic instructional subsidy.
P	Temporary index.
PACPTL(I,II)	The title of Operations or Capital improvement Project Alternative I. Subscript II ranges over locations necessary to store the characters.
PAINDR(I,II,III)	"Uncalculable" indicator changes due to operations and capital improvement project alternatives. Subscript I

	ranges over the operations and capital improvement project alternatives. Subscript II ranges over the indicators: II = 1 represents indicator #3, II = 2 represents indicator #7,... and II = 7 represents indicator #12. Subscript III ranges over years.
PGCØDE(I)	The index of the program changed by Program Change I.
PGCØLY(I,II)	Change in capital outlay due to Program Change I. Subscript II ranges over years.
PGDBSE(I,II)	Change in debt service due to Program Change I. Subscript II ranges over years.
PGECMS(I,II)	Change in expenditures on curriculum materials, supplies, and library books due to program change I. Subscript II ranges over years.
PGEND(I)	The index of the last program change corresponding to Operations or Capital Improvement Project Alternative I.
PGMNPR(I,II,III)	Change in manpower due to program change I. Subscript II ranges over manpower types. II = 1 corresponds to the 2nd column of PRGMPR. II = 2 corresponds to the 3rd, etc. Subscript III ranges over the years.
PGNSAL(I,II)	Change in non-salary cost due to program change I. Subscript II ranges over years.
PGRRSS(I,II)	Change in Fixed Charges salary ratio (RRSSC) due to Program Change I. Subscript II ranges over years.
PGSALS(I,II)	Change in salary cost due to Program Change I. Subscript II ranges over years.
PGSTRT(I)	The index of the first program change corresponding to Operations or Capital Improvement Project Alternative I.

PGYEAR(I)	Index of the first year of Program Change I.
PRGCST(I,II,III,IV)	Program costs. Subscript I=1 represents FBC. I=2 represents FYP. Subscript II ranges over programs. Subscript III=1 represents salary. III=2 represents non-salary. III=3 represents capital outlay. III=4 represents total of the three previous categories. Subscript IV ranges over years.
PRGMPR(I,II)	Indices of manpower types corresponding to programs. Subscript I ranges over programs. Subscript II=1 represents the number of manpower types corresponding to Program I. II=2 represents the index of the 1st manpower type. I=3 represents the index of the 2nd manpower type, etc.
PRGLVL(I)	The indices of the program which non-salary cost is to be held constant in BC. PRGLVL(I) corresponds to AMTLVL(I). Subscript I ranges over the number of these pairs: (PRGLVL(I), AMTLVL(I)).
PRGSET(I)	The indices of the program changes due to operations and/or capital improvement project alternatives in an alternative set.
PTCST(I)	Temporary variable representing the total cost of a program change. Subscript I ranges over years.
PTITLE(I,II)	Program titles. Subscript I ranges over programs. Subscript II ranges over locations necessary to store the characters.
PTR(I)	CY pupil-teacher ratio. Subscript I ranges over instructional programs. I=1 represents the 1st instructional program, Early Childhood, etc.
PUPILS(I,II)	Enrollment forecast. Subscript I ranges over enrollment types: Kindergarten,..., Special Education 7-12, Total, ADM, etc. Subscript II ranges over years.

PUPWGT(I,II)	Pupil weights. Subscript I=1 represents staff weights. I=2 represents finance weights. I=3 represents subsidy weights. Subscript II ranges over enrollment types.
RESTTX(I)	Real estate tax rate in mills. Subscript I ranges over years.
RIDERS(I)	Total bus riders in Year I.
RIDPCT	Percent of total enrollment (less 1/2 Kindergarten, if single session) riding buses.
RLPRPV(I,II)	Subscript I=1 represents district real property market value in totals per pupil. I=2 represents state real property market value/pupil. Subscript II ranges over years.
RRSSC(I,II)	Ratio Fixed Charges salary to total salary less Fixed Charges, Medical, and Dental salaries. Subscript I=1 represents FBC. I=2 represents FYP. Subscript II ranges over years.
RVENUE(I,II)	Total revenue at CY real estate tax rate. Subscript I=1 represents FBC. I=2 represents FYP. Subscript II ranges over years.
RVPMLL(I)	Revenue/mill (before collection). Subscript I ranges over years.
SALPM(I,II)	CY salary/teacher. Subscript I ranges over the instructional programs. I=1 corresponds to the first instructional program, Early Childhood, etc. Subscript II = 1 corresponds to mean salary/teacher for teachers in the school district during the CY. II=2 represents entering teachers. II=3 represents drop-out salary/teacher for the teachers who were in the school district during the CY.
SBDYPP(I)	State subsidy per pupil. Subscript I ranges over years.

SLCPP(I)	CY salary cost/pupil. Subscript I=1 represents the Medical program. I=2 represents the Dental program.
SPLSCY	Surplus to be carried over from the CY for use in Y1.
STITLE(I)	Cost category sub-titles on the Program Costs Report. Subscript I ranges over the four cost categories: Salary, Non-Salary, Capital Outlay, and Total.
STSPB	Seats/bus.
T	Temporary index used for time in years. T=1 represents CY. T=2 represents Y1, etc.
TEMP	Temporary variable used in various ways.
TEMP2	Temporary variable used to represent number of teachers who were in the school district during the CY who drop-out from one year to the next.
TM	Temporary time variable.
TMPTØT(I)	Temporary variable used to total manpower positions and hires. Subscript I ranges over years.
TØTCST(I,II)	Total cost over all programs, cost categories, and debt service. Subscript I=1 represents FBC. I=2 represents FYP. Subscript II ranges over years.
TØTSAL	Temporary variable used to calculate Fixed Charges salary.
TPSTCD(I)	Indices of operations or capital improvement project alternatives to be included in an alternative set. Subscript I ranges over the operations or capital improvement project alternatives.
TR	Temporary variable used to store retention rate (1 - Professional Staff Turnover Rate).
TRATE(I)	Turnover rate in percent for Manpower Type I for all manpower types except

	teacher types whose turnover rate is Professional Staff Turnover.
TT	Temporary time index.
TVPMLL(I)	Collected revenue/mill. Subscript I ranges over years.
TXCG(I)	Year to year change in the real estate tax rate in mills. Subscript I ranges over years.
VØTWGT	A weight indicating the percent of time Vocational-Technical pupils spend in the Secondary Education Program.
X	Temporary variable.
Y	Temporary variable.
YTITLE(I)	Year titles. Subscript I ranges over years.

Annotated Listing of the Permanent Data Cards

The data cards shown on the following pages are to be used for every computer run of EPPBS for School Districts, Version II, Model 1. A school district's Final Base Case data cards or Final Base Case and Five Year Plan data cards are placed behind the permanent data cards.

KINDERGARTEN		**Enrollment Titles**
GRADES 1-6		
GRADES 7-12		
VOCATIONAL-TECHNICAL		
SPECIAL ED. 1-6		
SPECIAL ED. 7-12		
TOTAL ENROLLMENT		
AVERAGE DAILY MEMBERSHIP		
WGTD. ENROLLMENT-STAFF		
WGTD. ENROLLMENT-FINANCE		
WT. ENRLMT.-INST. SBSDY.		
WT. AVRGE. DAILY MBRSHP.		
BASE CASE		**Case Titles**
ADJUSTED BASE CASE		
FINAL BASE CASE		
ALTERNATIVE CASE NUMBER		
POLICY AND EXECUTIVE	1 1	**Program Titles and Program-Manpower Matrix**
COMPREHENSIVE PLANNING	1 1	
INFORMATION AND LIAISON	1 1	
COMMUNITY SERVICES	1 1	
COORDINATE SUPPORT SERVICES	2 112	
EARLY CHILDHOOD INSTRUCTION	1 3	
ELEMENTARY INSTRUCTION	1 4	
SECONDARY INSTRUCTION	1 5	
VOC.-TECH. INSTRUCTION	1 6	
SPECIAL INSTRUCTION	1 7	
CONTINUING INSTRUCTION	1 8	
INSTRUCTIONAL SUPPORT SER.	3 2 912	
NURSING	110	
MEDICAL	0	
DENTAL	0	
PSYCHOLOGICAL	111	
HEALTH SUPPORT SERVICES	112	
GENERAL SERVICES	3 11712	
PUPIL TRANSPORTATION	115	
FOOD SERVICES	116	
FACILITIES	21314	
FIXED CHARGES	0	
BUSINESS SUPPORT SERVICES	2 112	
TOTAL ABOVE		
S NS CO T		**Program Cost Category Titles**
CY Y1 Y2 Y3 Y4 Y5		**Year Titles**
PROFESSIONAL ADMINISTRATION		**Manpower Titles**
PRINCIPALS		
TEACHERS - EARLY CHILDHOOD		
TEACHERS - ELEMENTARY		
TEACHERS - SECONDARY		
TEACHERS - VOC.-TECH.		
TEACHERS - SPECIAL		
TEACHERS - CONTINUING		
INSTRUCTIONAL SPECIALISTS		
NURSES		
PSYCHOLOGISTS		
CLERICAL PERSONNEL		
OPERATIONS PERSONNEL		
MAINTENANCE PERSONNEL		
BUS DRIVERS		
FOOD SERVICE PERSONNEL		
ADMINISTRATIVE STAFF		
EXCESS ENROLLMENT		**Indicator Titles**
TEACHERS/1000 WGT. PUPILS		

Indicator Titles	Pupil weights - Staff	Pupil weights - Finance	Pupil weights - Subsidy	Voc.-Tech. to Sec. weight
SECONDARY COURSE OFFERINGS				
INST.SPEC.,NURS.,PSYCH./1000 WGT. PUPILS				
MATLS.,SUPPS.,LIB.BKS./WGT. PUPIL				
NET EXPEND./WGT. PUPIL				
PROF. STAFF TURNOVER)PCT.*				
PROF. STAFF MA OR MORE)PCT.*				
PCT. GRAD. CLASS ATTEND PHSE				
DROPOUTS PCT. ENROLLMENT				
LANGUAGE ACHIEVEMENT				
MATHEMATICS ACHIEVEMENT				
	.5 1.0 1.1 1.1 1.0 1.1	.5 1.01.251.25 1.01.25	.5 1.01.361.36 1.01.36	.5

APPENDIX A

IBM GENERAL PURPOSE CARD PUNCHING FORM

IBM GENERAL PURPOSE CARD PUNCHING FORM

JOB	
BY	DATE

PUNCHING INSTRUCTIONS

WRITTEN AS:												
PUNCH AS:												

NOTES:

FIELD IDENTIFICATION

1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80
1 2 3 4 5 6 7 8 9 0	1 2 3 4 5 6 7 8 9 0	1 2 3 4 5 6 7 8 9 0	1 2 3 4 5 6 7 8 9 0	1 2 3 4 5 6 7 8 9 0	1 2 3 4 5 6 7 8 9 0	1 2 3 4 5 6 7 8 9 0	1 2 3 4 5 6 7 8 9 0

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